

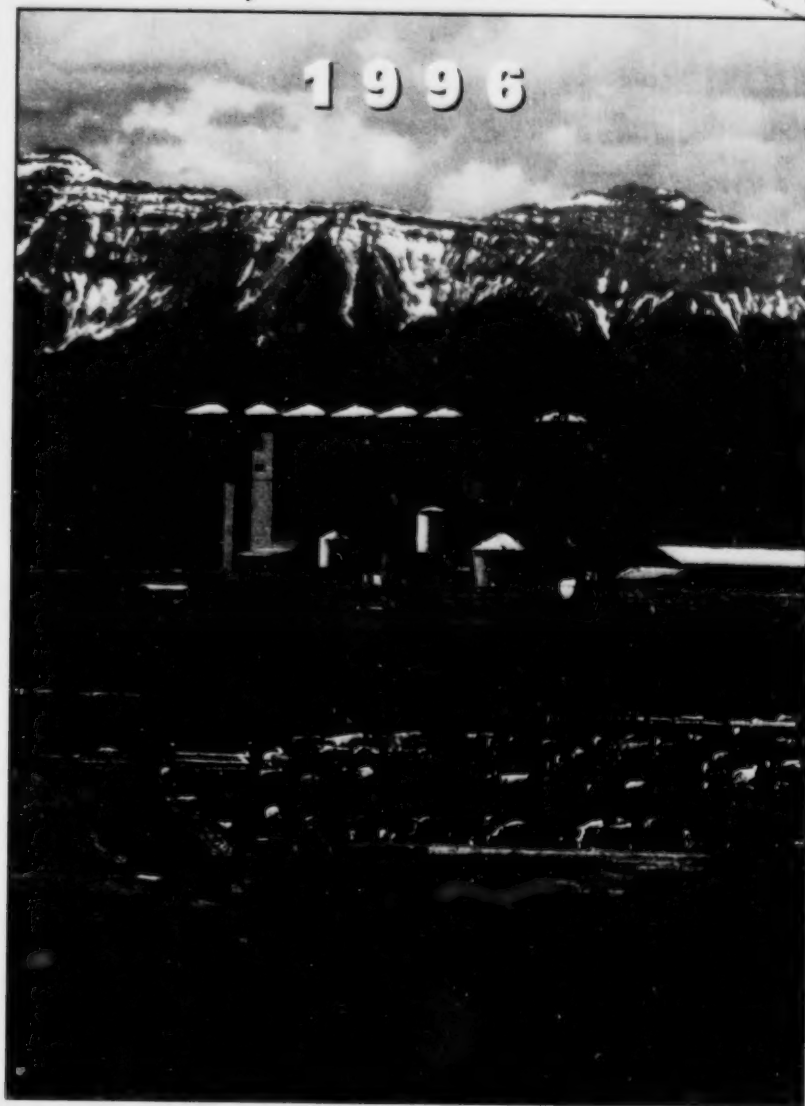
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AGRICULTURE STATISTICS

yearbook



1996



Alberta

AGRICULTURE, FOOD AND
RURAL DEVELOPMENT
Production Economics
and Statistics

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Agriculture Statistics Yearbook

1996*

***Note to Users**

This edition of the Yearbook presents information for the 1996 data year and where available, preliminary 1997 data are also included.

25th Edition



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**Statistics Unit
Production Economics and Statistics Branch
Alberta Agriculture, Food and Rural Development**

Symbols

p	preliminary
r	revised
x	confidential
-	not available
...	figure not appropriate or applicable
'000	thousands
\$'000	thousands of dollars
bu	bushel
cwt	100 pounds
head	number of head
hl	hectolitre
kg	kilogram
lbs	pounds
n.e.c.	not elsewhere classified
no.	number

Metric Conversion Factors

Imperial To Metric

1 acre	= 0.404687 hectares = 43,560 square feet
1 square mile	= 640 acres = 259 hectares (640 acres = 1 section)
1 mile	= 1,760 yards = 1.6093 kilometres
1 bushel	= 8 gallons = 0.035239 cubic metres
1 pound	= 0.453592 kilograms
1 short ton	= 2,000 pounds = 907.184872 kilograms
1 long ton	= 2,240 pounds = 1,016.047057 kilograms

Metric To Imperial

1 hectare	= 2.471044 acres
1 square kilometre	= 100 hectares = 247.1 acres (247.1044 acres = 0.386 of a section)
1 metre	= 39.36 inches = 3.28 feet
1 cubic metre	= 28.377650 bushels
1 kilogram	= 2.204622 pounds
1 tonne	= 2,204.6 pounds = 1.102311 tons
1 litre	= 0.87988 quarts = 0.21997 gallons

Weight Equivalents of Selected Commodities

Wheat	1 bushel = 0.027216 tonne 1 tonne = 36.744 bushels	Mixed Grain	1 bushel = 0.020412 tonne 1 tonne = 48.992 bushels
Oats	1 bushel = 0.015422 tonne 1 tonne = 64.842 bushels	Rye, Corn & Flaxseed	1 bushel = 0.0254 tonne 1 tonne = 39.368 bushels
Barley	1 bushel = 0.021773 tonne 1 tonne = 45.930 bushels	Canola	1 bushel = 0.02268 tonne 1 tonne = 44.092 bushels

Preface

25th Edition

During the last 25 years, Alberta's agriculture industry has emerged as a dynamic, technologically advanced business requiring intense management and complex marketing and financial decisions. In today's highly competitive, global marketplace, it is more important than ever to ensure the industry has access to accurate and reliable information enabling better decision making. The **Agriculture Statistics Yearbook for Alberta** serves to provide such pertinent information needed to understand the business of agriculture. This publication will assist producers, agri-businesses, agri-food exporters, market researchers, agrologists, strategic planners and government policy makers in evaluating current and past trends in order to plan for the future.

The **Yearbook** is a primary source of fundamental agricultural statistics for the province of Alberta, **compiled annually by the Statistics Unit** of the Production Economics and Statistics Branch, Department of Alberta Agriculture, Food and Rural Development. Primary data sources include Statistics Canada; Agriculture and Agri-Food Canada; and Alberta Agriculture, Food and Rural Development.

What's New?

1. A new section entitled **"Agri-Food Industries - A Review"** which provides summary data tables and highlights describing recent statistical developments in Alberta's agri-food sector.
2. The Livestock section now includes information on Alberta's **game farming industry** and the production and value of **aquaculture**. In addition to cattle and calf prices for Edmonton and Southern Alberta, price data are now available at the **Alberta level (slaughter cattle prices)**.
3. The Food and Beverages section has a new table on **average household expenditures** for food and other items (from the 1996 Family Expenditure Survey).
4. A new table showing the value of Alberta and Canada **agri-food exports to major regions of the world** has been added to the Agri-Food Exports section.
5. **Expansion of the Census of Agriculture section** includes data from the latest census conducted on May 14, 1996. In addition to providing comprehensive information on agricultural characteristics of farm operations, the census supplies important benchmark data for crop area estimates and livestock inventories.

Need More Information?

The Statistics Unit revises and publishes much of the data presented in the Yearbook throughout the year in various reports and publications (see listing on Page 175). Users requiring more detailed information may direct their enquiries to the agency credited with the data or to the appropriate staff member as listed on the following page.

Your comments and suggestions are welcome!

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April, 1998

Questions ?

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**Production Economics and Statistics Branch
Economic Services Division
Alberta Agriculture, Food and Rural Development**



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Information in the Yearbook was compiled from a variety of sources with major contributions by the Agriculture Division of Statistics Canada, in cooperation with Alberta Agriculture, Food and Rural Development. We also gratefully acknowledge the valuable assistance of Agriculture and Agri-Food Canada as well as other federal and provincial departments and agencies. Special appreciation is extended to all agricultural producers and processors who responded to our surveys or supplied other information to either Statistics Canada or Alberta Agriculture, Food and Rural Development.

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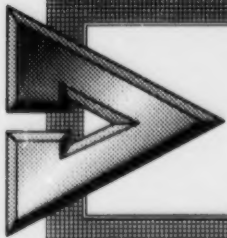
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ALBERTA

Census Divisions and Municipalities 1996

Produced by Alberta Treasury, Statistics.



AGRI-FOOD INDUSTRIES - A REVIEW

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Agriculture in Perspective

	ALBERTA			CANADA			Alberta as a % of Canada (see note)
	1996r	1997p	% Chg.	1996r	1997p	% Chg.	
Number of Farms (Census of Agriculture)	59,007	-	-	276,548	-	-	21.3 *
Total Farm Cash Receipts (\$'000)	6,391,742	6,289,787	-1.6	28,600,760	29,757,877	4.0	21.1
Total Crops (1)	2,921,853	2,534,084	-13.3	13,848,200	14,246,897	2.9	17.8
All Wheat	1,238,230	1,076,196	-13.1	4,482,593	4,283,173	-4.4	25.1
Barley	478,739	325,493	-32.0	1,100,250	848,142	-22.9	38.4
Canola	791,403	662,799	-16.3	1,984,217	1,961,883	-1.1	33.8
Total Livestock and Livestock Products (1)	3,318,320	3,563,961	7.4	13,682,533	14,463,701	5.7	24.6
Cattle and Calves	2,317,348	2,537,669	9.5	4,624,346	5,102,786	10.3	49.7
Hogs	447,439	437,593	-2.2	2,889,328	2,974,099	2.9	14.7
Program Payments to Farmers	151,569	191,742	26.5	1,070,027	1,047,279	-2.1	18.3
Realized Net Farm Income (\$'000)	775,279	-	-	2,837,563	-	-	27.3 *
Total Net Farm Income (\$'000)	613,259	-	-	3,649,962	-	-	16.8 *
Farm Operating Expenses (\$'000) (2)	5,639,454	-	-	25,985,015	-	-	21.7 *
Value of Farm Capital, July 1 (\$'000)	37,680,491	-	-	149,772,923	-	-	25.2 *
Farm Debt at Year End (\$'000)	6,667,223	-	-	27,157,956	-	-	24.5 *
No. of Farm Bankruptcies	80	63	-21.3	315	276	-12.4	22.8
GDP - Agri-Food Industries (\$'000) (3)	3,737,000	-	-	24,881,300	-	-	15.0 *
Primary Agriculture	2,779,000	-	-	11,876,700	-	-	23.4 *
Food and Beverage Manufacturing	958,000	-	-	13,004,600	-	-	7.4 *
Food and Beverage Industries (\$'000)	-	-	-	-	-	-	-
Value of Manufacturing Shipments	6,841,783	7,249,267	6.0	55,225,922	57,426,587	4.0	12.6
No. of Employees - Agri-Food Industries	116,200	105,200	-9.5	704,100	676,300	-3.9	15.6
Primary Agriculture	96,000	85,900	-10.5	453,000	422,700	-6.7	20.3
Food and Beverage Manufacturing	20,200	19,300	-4.5	251,100	253,600	1.0	7.6
Stocks on Farms, July 31 ('000 tonnes)	-	-	-	-	-	-	-
All Wheat	320	700	118.8	1,017	2,265	122.7	30.9
Barley	745	950	27.5	894	2,120	137.1	44.8
Canola	160	70	-56.3	420	260	-38.1	26.9
Major Crop Production ('000 tonnes)	-	-	-	-	-	-	-
All Wheat	7,789.1	6,839.3	-12.2	29,801.4	24,270.2	-18.6	28.2
Barley	7,076.0	6,390.2	-9.7	15,562.0	13,647.0	-12.3	46.8
Oats	1,079.5	979.3	-9.3	4,361.1	3,484.7	-20.1	28.1
Canola	1,701.0	2,041.2	20.0	5,062.3	6,198.0	22.4	32.9
Flaxseed	20.3	31.8	56.7	851.0	966.6	13.6	3.3
All Rye	64.1	49.6	-22.6	309.4	299.7	-3.1	16.5
Livestock Inventory on July 1	-	-	-	-	-	-	-
Cattle and Calves (head)	5,666,000	5,605,000	-1.1	15,026,400	14,912,800	-0.8	37.6
Hogs (head)	1,875,900	1,835,900	-2.1	11,547,600	11,830,200	2.4	15.5
No. of Livestock Slaughtered	-	-	-	-	-	-	-
Cattle and Calves (head)	1,795,559	1,909,334	6.3	3,381,737	3,480,060	2.9	60.8 (4)
Hogs (head)	2,135,395	2,222,689	4.1	14,956,745	15,165,898	1.4	14.7
International Agri-Food Exports (\$'000)	4,975,553	5,002,286	0.5	19,834,663	20,677,202	4.2	24.2
Wheat	1,479,222	1,379,648	-6.7	4,654,801	4,372,512	-6.1	31.6
Live Cattle	747,201	660,920	-11.5	1,398,167	1,334,226	-4.6	49.5
Beef and Veal	506,763	691,543	36.5	761,395	1,017,536	33.6	68.0
Canola Seed	372,233	443,759	19.2	1,035,937	1,235,443	19.3	35.9

* Indicates per cent for 1996, otherwise per cent is for 1997.

(1) Includes farm market cash receipts only.

(2) Total expenses are after rebates and including depreciation.

(3) Gross Domestic Product at Factor Cost in Constant (1986) Dollars.

(4) Excludes calves.

Source: Alberta Agriculture, Food and Rural Development; and Statistics Canada

Agriculture in Perspective

	ALBERTA			CANADA			Alberta as a % of Canada (see note)
	1996r	1997p	% Chg.	1996r	1997p	% Chg.	
Number of Farms (Census of Agriculture)	59,007	-	-	276,548	-	-	21.3 *
Total Farm Cash Receipts (\$'000)	6,391,742	6,289,787	-1.6	28,600,760	29,757,877	4.0	21.1
Total Crops (1)	2,921,853	2,534,084	-13.3	13,848,200	14,246,897	2.9	17.8
All Wheat	1,238,230	1,076,196	-13.1	4,482,593	4,283,173	-4.4	25.1
Barley	478,739	325,493	-32.0	1,100,250	848,142	-22.9	38.4
Canola	791,403	662,799	-16.3	1,984,217	1,961,883	-1.1	33.8
Total Livestock and Livestock Products (1)	3,318,320	3,563,961	7.4	13,682,533	14,463,701	5.7	24.6
Cattle and Calves	2,317,348	2,537,669	9.5	4,624,346	5,102,786	10.3	49.7
Hogs	447,439	437,593	-2.2	2,889,328	2,974,099	2.9	14.7
Program Payments to Farmers	151,569	191,742	26.5	1,070,027	1,047,279	-2.1	18.3
Realized Net Farm Income (\$'000)	775,279	-	-	2,837,563	-	-	27.3 *
Total Net Farm Income (\$'000)	613,259	-	-	3,649,962	-	-	16.8 *
Farm Operating Expenses (\$'000) (2)	5,639,454	-	-	25,985,015	-	-	21.7 *
Value of Farm Capital, July 1 (\$'000)	37,680,491	-	-	149,772,923	-	-	25.2 *
Farm Debt at Year End (\$'000)	6,667,223	-	-	27,157,956	-	-	24.5 *
No. of Farm Bankruptcies	80	63	-21.3	315	276	-12.4	22.8
GDP - Agri-Food Industries (\$'000) (3)	3,737,000	-	-	24,881,300	-	-	15.0 *
Primary Agriculture	2,779,000	-	-	11,876,700	-	-	23.4 *
Food and Beverage Manufacturing	958,000	-	-	13,004,600	-	-	7.4 *
Food and Beverage Industries (\$'000)	-	-	-	-	-	-	-
Value of Manufacturing Shipments	6,841,783	7,249,267	6.0	55,225,922	57,426,587	4.0	12.6
No. of Employees - Agri-Food Industries	116,200	105,200	-9.5	704,100	676,300	-3.9	15.6
Primary Agriculture	96,000	85,900	-10.5	453,000	422,700	-6.7	20.3
Food and Beverage Manufacturing	20,200	19,300	-4.5	251,100	253,600	1.0	7.6
Stocks on Farms, July 31 ('000 tonnes)	-	-	-	-	-	-	-
All Wheat	320	700	118.8	1,017	2,265	122.7	30.9
Barley	745	950	27.5	894	2,120	137.1	44.8
Canola	160	70	-56.3	420	260	-38.1	26.9
Major Crop Production ('000 tonnes)	-	-	-	-	-	-	-
All Wheat	7,789.1	6,839.3	-12.2	29,801.4	24,270.2	-18.6	28.2
Barley	7,076.0	6,390.2	-9.7	15,562.0	13,647.0	-12.3	46.8
Oats	1,079.5	979.3	-9.3	4,361.1	3,484.7	-20.1	28.1
Canola	1,701.0	2,041.2	20.0	5,062.3	6,198.0	22.4	32.9
Flaxseed	20.3	31.8	56.7	851.0	966.6	13.6	3.3
All Rye	64.1	49.6	-22.6	309.4	299.7	-3.1	16.5
Livestock Inventory on July 1	-	-	-	-	-	-	-
Cattle and Calves (head)	5,666,000	5,605,000	-1.1	15,026,400	14,912,800	-0.8	37.6
Hogs (head)	1,875,900	1,835,900	-2.1	11,547,600	11,830,200	2.4	15.5
No. of Livestock Slaughtered	-	-	-	-	-	-	-
Cattle and Calves (head)	1,795,559	1,909,334	6.3	3,381,737	3,480,060	2.9	60.8 (4)
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* Indicates per cent for 1996, otherwise per cent is for 1997.

(1) Includes farm market cash receipts only.

(3) Gross Domestic Product at Factor Cost in Constant (1986) Dollars.

(2) Total expenses are after rebates and including depreciation.

(4) Excludes calves.

Source: Alberta Agriculture, Food and Rural Development; and Statistics Canada

Where Does Alberta Rank in the Canadian Agri-Food Sector?

The latest indicators of agri-food activity for Canada's ten provinces showed that Alberta ranked at or near the top in several areas:

Number of Farms in Alberta on May 14, 1996 (1)	59,007	2nd Highest
Total Area (Acres) of Farm Land on May 14, 1996 (1)	51,984,380	2nd Highest
1997 (p) Farm Gate Production as Measured by Farm Cash Receipts		
Total Farm Cash Receipts (including Program Payments to Farmers).....	\$6.3 Billion	2nd Highest
Crop Market Receipts.....	\$2.5 Billion	3rd Highest
Livestock and Livestock Products Market Receipts.....	\$3.6 Billion	2nd Highest
1997 (p) Value of Food and Beverage Processing Activity		
Total Food and Beverage Value of Manufacturing Shipments.....	\$7.2 Billion	3rd Highest
- Meat and Meat Products (excluding Poultry) Industry.....	\$3.5 Billion	1st - Highest
- Dairy Products Industry.....	\$613 Million	3rd Highest
- Feed Industry.....	\$467 Million	3rd Highest
- Cereal Grain Flour Industry.....	\$123 Million	3rd Highest
- Beverage Industries.....	\$650 Million	4th Highest
1997 Number of Employees		
Agri-Food Industries.....	105,200	3rd Highest
Primary Agriculture.....	85,900	2nd Highest
Food and Beverage Manufacturing Industries.....	19,300	4th Highest
1996 Gross Domestic Product at Factor Cost in Constant (1986) Dollars		
Agri-Food Industries.....	\$3.7 Billion	3rd Highest
Primary Agriculture.....	\$2.8 Billion	2nd Highest
Food and Beverage Manufacturing Industries.....	\$958 Million	4th Highest
1996 International Agri-Food Exports (2)	\$4.9 Billion	2nd Highest
1997 Major Crop Production ('000 tonnes)		
- All Wheat.....	6,839.3	2nd Highest
- Barley.....	6,390.2	1st - Highest
- Oats.....	979.3	2nd Highest
- Canola.....	2,041.2	2nd Highest
- Flaxseed.....	31.8	3rd Highest
- All Rye.....	49.6	3rd Highest
Livestock Inventory (head)		
On July 1, 1997 - Cattle and Calves.....	5,605,000	1st - Highest
- Hogs.....	1,835,900	3rd Highest
- Sheep and Lambs.....	253,900	1st - Highest
On May 14, 1996 (1) - Bison	22,782	1st - Highest
- Deer and Elk.....	10,687	4th Highest
- Llamas and Alpacas.....	3,692	1st - Highest
1996 Number of Livestock Slaughtered (head)		
- Cattle and Calves.....	1,795,559	1st - Highest
- Hogs.....	2,135,395	3rd Highest

(1) Source: Census of Agriculture conducted by Statistics Canada.

(2) The June, 1997 issue of the "Agri-Marketer" (published by Agriculture and Agri-Food Canada) showed that Alberta agri-food exports totalled \$4.46 billion and ranked third highest among Canada's ten provinces. However, the adjusted 1996 estimate prepared by the Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development is \$4.75 billion, placing Alberta second highest after Ontario. NOTE: Agri-food export figures presented in the Yearbook are based on adjusted estimates prepared by the Statistics Unit of the Production Economics and Statistics Branch.

A Review of Selected 1996 and 1997 Indicators

Contribution to the Economy

► **Alberta's agricultural economy is export-oriented**, with about 62 per cent of its raw agricultural commodities being exported annually to other Canadian provinces and countries around the world. Total exports of raw agricultural commodities and value added processed products reached a record **\$7.4 billion in 1996** (interprovincial and international exports).

► In 1997, Alberta producers generated **\$6.3 billion in revenue from the sale of agricultural commodities** (farm cash receipts from crops, livestock and livestock products plus program payments to farmers), the second highest farm revenue in Canada after Ontario (\$6.8 billion). Farm cash receipts exclude inter-farm sales within the province and on-farm use of own products.

The top five farm cash receipts commodities for 1997 were:

- cattle and calves, \$2.5 billion
- all wheat, \$1.1 billion
- canola, \$663 million
- hogs, \$438 million
- barley, \$325 million.

► **Food and beverage processing industries** make up Alberta's largest manufacturing sector in terms of employment and products shipped. In 1997, a record **\$7.2 billion** (preliminary) in goods were manufactured led by the meat and meat processing industry.

► In terms of total economic output, **Alberta is the second leading primary agricultural producer** in Canada (after Ontario) contributing 23.4 per cent to the nation's primary agricultural activity (as measured by the Gross Domestic Product). In 1996, output for primary agriculture rose to **\$2.8 billion**.

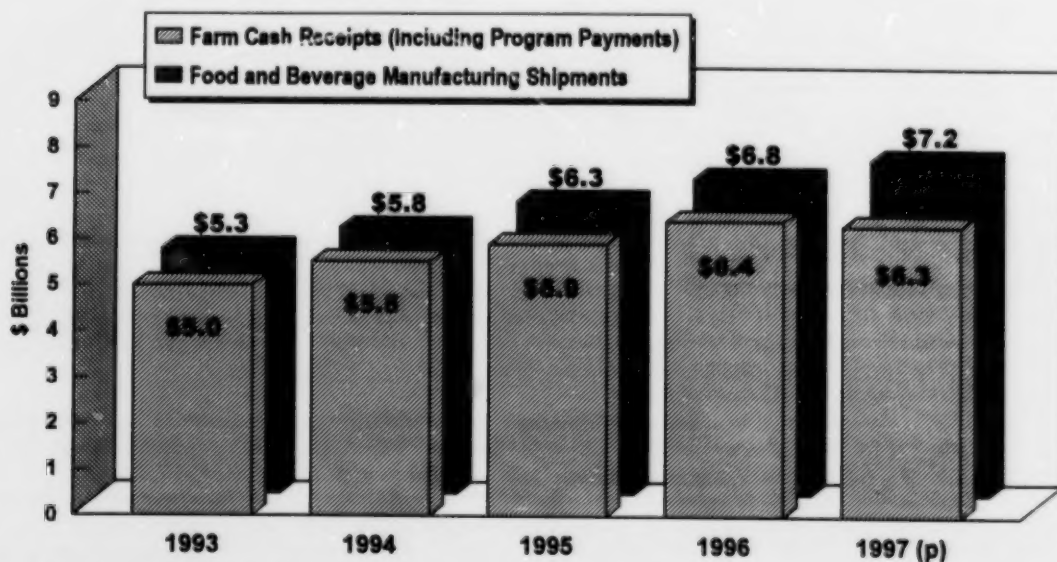
Gross Domestic Product

Gross Domestic Product (GDP) figures shown are valued in constant (1986) dollars which removes the effects of price changes. GDP for agri-food industries excludes spinoff benefits from industries such as transportation, lending institutions and other service industries.

► Preliminary estimates for 1996 indicate that Ontario and Alberta led all provinces in the **value of primary agricultural production** as measured by GDP at Factor Cost. With only 9.3 per cent of Canada's population, Alberta generated **\$2.8 billion** in output or just over 23 per cent of Canada's total. At \$2.9 billion, Ontario accounted for the largest portion (24 per cent).

► Despite slower growth in 1996 (0.9 per cent) than in the previous year (7.1 per cent), GDP for Alberta's primary agriculture industry reached another record high of **\$2.8 billion**. While **crop market receipts** were up in 1996, the rate of increase of 12 per cent was considerably smaller than in 1995 at 22 per cent. Receipts were up the highest for barley, oats, all wheat, flaxseed and canola. In comparison, **total livestock and livestock products** market receipts advanced 6.8 per cent in 1996, surpassing the rate of 3.7 per cent reported in the previous year. Double-digit growth continued in hog receipts, up 17 per cent. Cattle and calves receipts rose 4.6 per cent over 1995.

Fig. 1 Alberta Value of Primary Farm Gate Production (Cash Receipts) and Value of Secondary Processing (Food and Beverage Shipments), 1993-1997 (\$ Billions)



Annual Per Cent Change:

Receipts:	1.5%	10.5%	6.7%	8.5%	-1.6%
Shipments:	11.6%	8.9%	10.0%	8.0%	6.0%

Fig. 2 Alberta Value of International Agri-Food Exports, A Five-Year Comparison -1993 and 1997

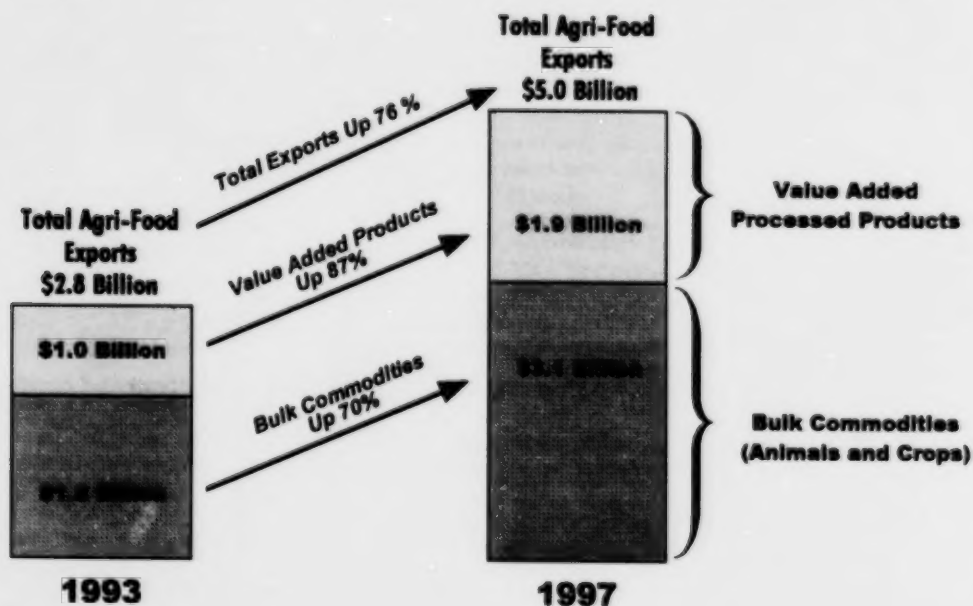


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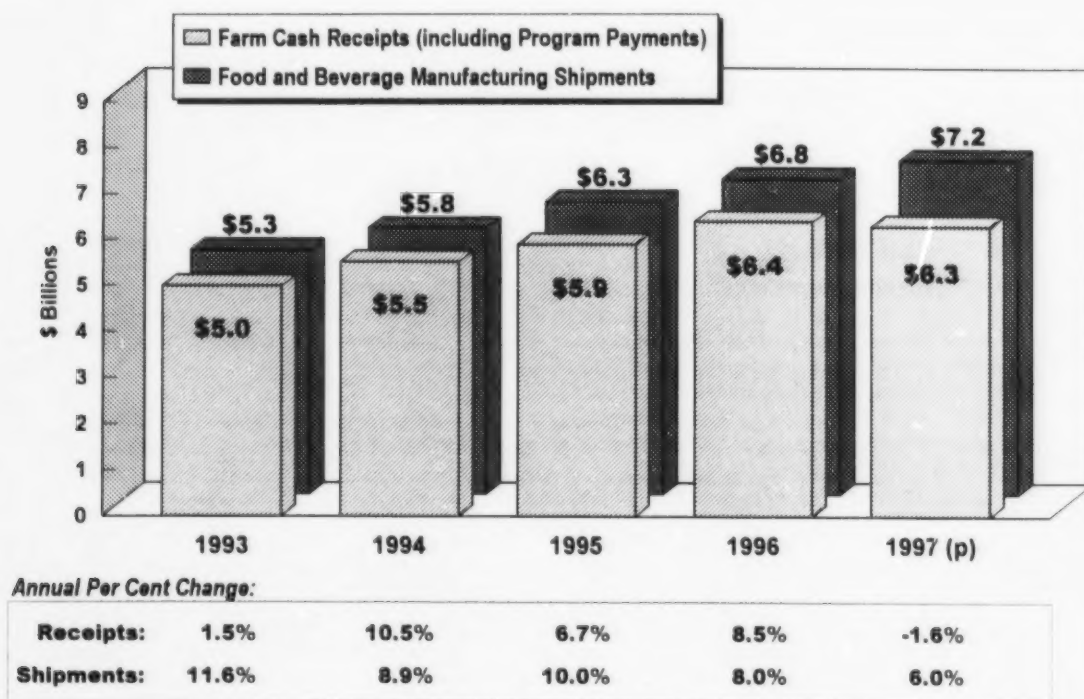
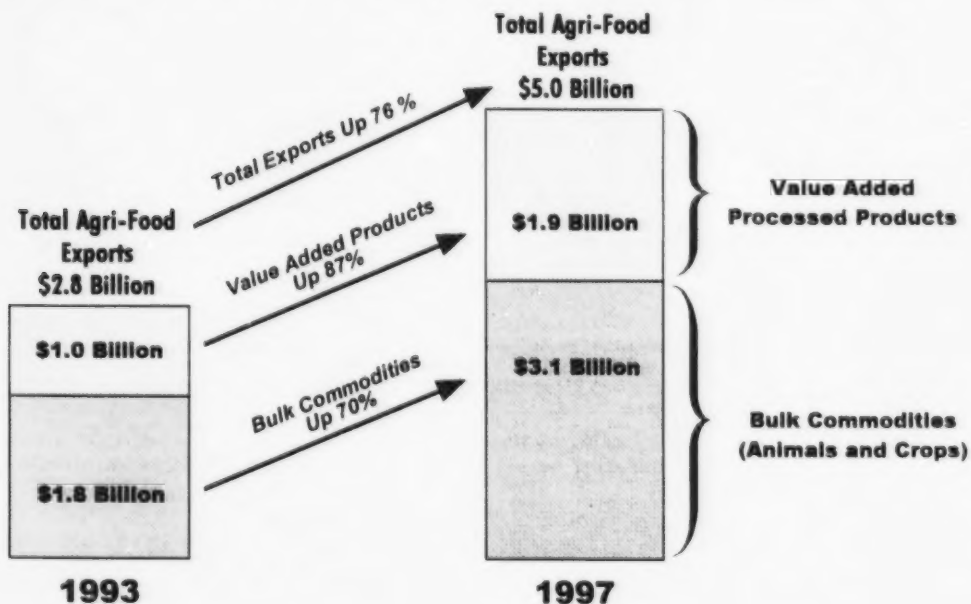


Fig. 2 Alberta Value of International Agri-Food Exports, A Five-Year Comparison - 1993 and 1997



➤ In 1996, Alberta led all provinces in growth of GDP for **food and beverage manufacturing industries**. At \$958 million, GDP increased 5.7 per cent over 1995, the fourth consecutive annual increase. Alberta now accounts for 7.4 per cent of Canada's total food and beverage GDP, up from 5.6 per cent five years ago.

➤ In terms of **contribution to the overall economy** of Alberta, agri-food industries (primary agriculture **plus** food and beverage manufacturing industries) accounted for **5.1 per cent or \$3.7 billion** of total provincial GDP in 1996. In comparison, the mining sector (includes oil and gas) remains Alberta's largest industry at 21 per cent.

Agri-Food Exports

➤ Alberta exports raw agricultural commodities and processed food products to other Canadian provinces (interprovincial exports) and to other countries around the world (international exports). In 1995, total **"out-of-province shipments"** reached a record \$6.5 billion (revised estimate). In 1996, exports hit another record at \$7.4 billion. (Note: 1997 data are not yet available for out-of-province shipments).

➤ **The upward trend towards value adding exports continues.** In 1996, Alberta exported a record \$4.9 billion (revised estimate) worth of raw commodities and processed products **to other countries**, up 15.5 per cent over 1995. In 1997, exports moved up slightly (0.5 per cent) to another record high of **\$5.0 billion**. These exports accounted for one-quarter of Canadian agricultural exports (\$20.7 billion). Exports of Alberta's raw commodities (\$3.1 billion) remained higher than value added processed exports (\$1.9 billion). However, in 1997, export revenue from raw products dropped 6.3 per cent, while exports of value added products continued to expand (up 13.9 per cent).

➤ **The primary destination** of Alberta agri-food exports remains the **United States** at \$2.4 billion or about half of total international exports in 1997. The next four largest markets were:

- Japan (\$714 million or 14 per cent)
- Iran (\$201 million or four per cent)
- People's Republic of China (\$151 million or three per cent)
- Mexico (\$135 million or three per cent).

➤ Compared to 1996, Alberta **exports to the U.S. market** were up 5.6 per cent in 1997. Exports to Iran jumped 30 per cent while the Japan market expanded by only three per cent. In contrast, exports to China and Mexico were lower in 1997.

➤ **The top five Alberta agricultural exports in 1997** accounted for 65 per cent of the province's total international agricultural exports:

- wheat (\$1,379 million)
- live cattle (\$661 million)
- beef/pork/other meat and meat products (\$964 million)
- canola seed (\$443 million)
- barley (\$226 million).

➤ Reflecting lower 1997 grain prices, export values of **wheat and barley** fell 6.7 per cent and 34.8 per cent, respectively. While the export quantity of wheat rose 14.9 per cent from 1996, barley quantity dropped 25.2 per cent. Due to higher production levels in 1997, **canola seed** exports increased in value (19.2 per cent) and in quantity (17.1 per cent).

➤ In 1997, exports of **live cattle** declined 19.0 per cent to 590,312 head. As well, the number of **live hogs** exported fell 17.2 per cent to 364,893 head. On the positive side, exports of **beef and pork** continued to grow. The **value of beef** exports rose significantly by 36.5 per cent to \$691 million and **pork** was up 17.6 per cent to \$177 million.

Employment

► In 1997, **Alberta recorded its fifth consecutive year of job creation.** The number of employed Albertans reached a record 1,457,000, up by 44,000 or 3.1 per cent over 1996. The top five job growth industries in 1997 were manufacturing, business services, education, wholesale trade and accommodation/food and beverages. The province's unemployment rate dropped by a full percentage point from 1996 to 6.0 per cent, the lowest in Canada and tied with Saskatchewan.

► **Agriculture is a major employer in the province.** One in three Albertans is either directly employed in primary agricultural industries or in spinoff services and activities such as food and beverage processing; wholesaling, packaging, retailing and transportation of farm products; agriculture equipment and supplies (farm machinery, fertilizer, seeds, etc.); communications; food services and restaurants; and professional services including accountants, lawyers, veterinarians, product inspectors, etc.

► In 1997, the agri-food sector (primary agriculture plus food and beverage manufacturing industries) **employed 105,200 Albertans** or 7.2 per cent of the provincial workforce. The sector was the sixth largest employer among 17 industry groups. At 175,900 workers, the retail trade industry ranked first, followed by health and social services at 129,800.

► At 116,200 in 1996, employment in the **agri-food sector** reached its highest level since the mid-1970s. However, in 1997, the sector experienced a 9.5 per cent decrease to 105,200 workers. Lower employment levels were reported in both primary agriculture (10.5 per cent decrease) and food and beverage processing industries (4.5 per cent decrease). Agri-food employment in Canada was down 3.8 per cent to 677,000 workers.

► Compared to 1996, **primary agricultural employment in 1997 was down** in all provinces except Atlantic Canada. The sharpest declines were in Quebec (12.8 per cent), Alberta (10.5 per cent), Saskatchewan (5.6 per cent) and Ontario (5.1 per cent).

► Following two consecutive years of stable employment, Alberta's **primary agriculture industry** posted a 10.5 per cent decrease from 1996 to total 85,900 workers in 1997. Just over 10,000 jobs were lost, representing the largest decline since 1985. A breakdown of the decrease in 1997 shows that the only improvement in employment was on livestock farms, up 13.2 per cent. Jobs losses were reported in combination farming (19.3 per cent), grain and horticulture farming (10.0 per cent) and services to agriculture (8.3 per cent).

► Strong gains of 10.8 per cent and 16.1 per cent in 1995 and 1996, respectively, led to a record employment level of 20,200 in Alberta's **food and beverage manufacturing industries.** However, in 1997, employment dropped to 19,300, a decrease of 4.5 per cent or a loss of 900 jobs compared to a year ago.

Revenue Generated by Alberta Farms

The gross revenue of farm businesses is measured by farm cash receipts. Receipts are, however, not a measure of profit since operating expenses have not been deducted. Receipts include the sale of crops and livestock; program payments to farmers; Canadian Wheat Board (CWB) payments; and deferred grain receipts. Farm cash receipts exclude the value of agricultural products (livestock and poultry, seed and seedlings, and feed) sold from one farm to another farm within the same province.

► Following five years of record breaking revenues from the sale of agricultural products, Alberta producers reported slightly lower **farm cash receipts** (including program payments) in 1997. Receipts dropped 1.6 per cent from 1996 to total \$6.3 billion, still the second highest level on record. The decline reflected higher receipts for livestock and livestock products, offset by lower revenue for crops. Program payments to farmers rose for the first time in four years.

➤ During recent years, the **contribution of crops receipts** to total Alberta receipts gained momentum - from 30 per cent in 1992 to 46 per cent in 1996. However, in 1997, a structural change occurred as crop revenues declined and the proportion fell to 40 per cent. The **higher level of livestock production in 1997** translated into an increase in the proportion of total receipts - from 52 per cent in 1996 to 57 per cent in 1997.

➤ On an annual basis, **Ontario and Alberta are the top two generators of farm revenue** in Canada. At \$6.3 billion, Alberta receipts in 1997 accounted for 21 per cent of the national total, slightly smaller than Ontario's share of 23 per cent (\$6.8 billion). During the five-year period from 1993 to 1997, Alberta outperformed Ontario as receipts increased 26 per cent, well ahead of Ontario's gain of about 15 per cent.

➤ **Alberta is a major contributor to the revenue value** of farm commodities in Canada. For example, in 1997, Alberta accounted for:

- 87 per cent of the nation's sugar beets receipts
- 50 per cent of beef cattle
- 48 per cent of forage and grass seed
- 38 per cent of barley
- 34 per cent of canola
- 33 per cent of honey
- 25 per cent of all wheat
- 25 per cent of dry peas
- 15 per cent of hogs.

➤ In 1997, Alberta's **cattle sector** reported its largest gain since 1993 as revenue rose almost ten per cent to a record \$2.5 billion. Producers rebounded from the depressed prices experienced during the peak of the cattle cycle in 1996. Also, the herd liquidation phase of the current cattle cycle resulted in higher marketings. Alberta producers generated one-half of Canada's cattle receipts in 1997, the largest contribution of any province.

➤ Canadian **hog receipts** rose to \$3.0 billion in 1997 with the prairie provinces accounting for 37 per cent of the total, Quebec for 33 per cent and Ontario for 26 per cent. Receipts for Canada were up only 2.9 per cent in 1997, much smaller than the 27.8 gain in 1996. Manitoba was the only prairie province to report higher receipts in 1997 (up nine per cent). Smaller gains were posted for Quebec (5.6 per cent) and Ontario (1.3 per cent).

➤ Alberta's **hog industry** experienced rapid growth in 1995 (up 20.5 per cent) and 1996 (up 17.0 per cent), pushing revenue to a record \$447 million. However, in 1997, receipts dropped 2.2 per cent to \$438 million, partially due to flat prices. Alberta's share of Canadian hog receipts was about 15 per cent in 1997, down from about 17 per cent two years ago. On July 1, 1997, Alberta's hog inventory totalled 1,835,900 head.

➤ Following four years of steady growth, receipts for Alberta's **crops** fell 13.3 per cent in 1997 to \$2.5 billion. Lower revenues were reported for major crops:

- all wheat, \$1.1 billion (down 13.1 per cent)
- canola, \$663 million (down 16.3 per cent)
- barley, \$325 million (down 32.0 per cent)
- oats, \$55 million (down 38.2 per cent)
- flaxseed, \$10 million (down 6.7 per cent).

➤ The recent downward trend in **program payments** to Alberta farmers ended in 1997. Payments fell from a record \$887 million in 1992 to \$152 million in 1996, the lowest level since the early 1980s. In 1997, however, increases were reported for the Net Income Stabilization Account (NISA), crop insurance, tripartite payments and other payment programs. As a result, the total payout rose 26.5 per cent to \$191 million.

Livestock

➤ Alberta maintains the **largest cattle herd** in Canada. On July 1, 1997, cattle and calves totalled 5.63 million head or about 38 per cent of Canada's 14.90 million head. Inventory fell for the first time in more than a decade from the record set in 1996 (5.67 million head). At 2.29 million head, Alberta's breeding herd (beef cows and heifers kept for breeding) was about two per cent smaller than in 1996. In late 1997, the herd liquidation phase (selling off of breeding stock) of the current cattle cycle slowed and the next cycle of gradually rebuilding downsized herds began.

➤ **Cattle slaughtering activity** in Alberta continues to gain momentum. At 1,794,705 head, Alberta's federally and provincially inspected cattle slaughter in 1996 accounted for 59 per cent of Canada's total. Expectations for 1997 indicate an even better year. The preliminary cattle slaughter estimate of 1,908,864 head, will put Alberta over the 60 per cent mark, when expressed as a per cent of the national total.

➤ While demand for beef and pork remains strong, consumers are becoming increasingly aware of **alternative livestock products**. Alberta producers are venturing into new niche markets distributing products from elk, deer, wild boar, bison, deer, ostrich, emu, rhea, llamas and fish (aquaculture). The 1996 Census of Agriculture showed that Alberta farms ranked first in Canada in raising the largest number of bison (buffalo) at 22,782 head (50 per cent) and llamas and alpacas at 3,692 head (43 per cent). Alberta's deer and elk herd was fourth largest among the provinces at 10,687 head (15 per cent).

Crop Production

➤ Alberta's 1997 crop season started with a cool, wet spring and ended with generally warmer weather, providing much needed heat for developing crops and good harvesting conditions. The crop was one of reduced quantity but of high quality. Following two consecutive annual gains, production of the **six major grains** (wheat, oats, barley, rye, flaxseed and canola) decreased 7.9 per cent to 16.3 million tonnes in 1997. Canada recorded a larger decline of almost 13 per cent.

➤ After a record 7.8 million tonnes in 1996, **all wheat** production decreased 12.2 per cent in 1997 to 6.8 million tonnes. Almost 90 per cent of Alberta wheat produced is spring wheat which fell 13.4 per cent to 6.1 million tonnes (acreage decreased ten percent). Winter wheat production was also down while durum wheat posted a moderate increase.

➤ Alberta's production of **feed grains** in 1997 was smaller than the year before. Rye dropped the greatest at 22.6 per cent to 49,600 tonnes. Production of oats and barley both fell by about ten per cent. In 1997, 6.4 million tonnes of barley were produced, down from the second highest level on record of 7.1 million tonnes in 1996.

➤ While production levels of the province's largest crop (wheat) and feed grains were down in 1997, the **oilseeds** were a bright spot. Following depressed levels in 1995 and 1996, production of **canola** rose 20 per cent to 2.0 million tonnes (acreage grew by 27 per cent). The Canadian canola crop also improved, reaching its third highest level on record (6.2 million tonnes). Alberta flaxseed production jumped 56.7 per cent to 31,800 tonnes.

➤ **Special crops** are providing Alberta producers with increased diversification opportunities. In 1997, both acreage and production levels were higher than in 1996. For example, dry peas production rose 37 per cent to its highest level in a decade and mustard seed increased 74.3 per cent.

➤ **Alberta is a major contributor to crop production in Canada.** In 1997, the province's share was: 47 per cent for barley; 33 per cent for canola; 28 per cent each for wheat and oats; 24 per cent for dry peas; 21 per cent each for tame hay and mustard seed; 18 per cent for mixed grains; and 17 per cent for rye.

Food and Beverage Processing Activity

➤ **Food and beverage processing industries** are important to Alberta's economic infrastructure in terms of job creation, adding value to the economy through diversification and development of new products and increased market opportunities at home and abroad. **Alberta has over 400 food and beverage processing firms.**

➤ The economic value of Alberta's secondary processing industries continues to surpass that of primary raw food sales. Food and beverage **value of manufacturing shipments** topped the \$7 billion mark for the first time in 1997. Following solid gains of 8 to 12 per cent during the last four years, shipments rose 6.0 per cent in 1997 to **\$7.2 billion**, (preliminary estimate). In comparison, 1997 farm cash receipts (sale of crops, livestock and livestock products plus program payments to farmers) advanced to \$6.3 billion.

➤ After Ontario (41 per cent) and Quebec (22 per cent), **Alberta is the third largest processing province** in Canada with almost 13 per cent of national shipments.

➤ One out of six manufacturing jobs in Alberta is involved in food and beverage processing. In 1997, 19,300 Albertans (or 14.3 per cent) were directly employed in these industries, making up the **largest manufacturing employer in the province.**

➤ In terms of products generated, food and beverage industries have represented the **largest manufacturing sector in Alberta** since the mid-1980s. The sector accounts for just over one-fifth of all manufactured goods shipped from the province.

➤ During recent years, Alberta has experienced **solid upward growth in shipments** of food and beverage products. In fact, Alberta and the other prairie provinces have led the nation in food processing activity. Compared to 1993, shipments for 1997 grew the fastest in Saskatchewan (68 per cent), Manitoba (46 per cent) and Alberta (37 per cent). The pace of growth was somewhat slower for Canada (23 per cent) and Ontario (20 per cent).

➤ Alberta's food processing sector continues to be **dominated by meat and meat processing industries** (excluding poultry) which account for just over half of total food products shipped. Following gains of five to six per cent during each of the last three years, activity was up by almost 13 per cent in 1997 to total a record \$3.5 billion (preliminary estimate). Alberta and Ontario (\$3.4 billion) are the top meat processing provinces in Canada with Alberta accounting for the largest proportion at 31 per cent.

➤ **The next three largest food processing industries in Alberta are:**

- dairy products industries, \$613 million (9.3 per cent)
- other food products industries, \$575 million (8.7 per cent)
- feed industry, \$467 million (7.1 per cent).

➤ While Alberta meat processing industries posted the strongest gain in 1997, **other processing industries to report higher shipments over 1996** included potato chip/pretzel/popcorn products (8.6 per cent), bread and other bakery products (8.1 per cent), other food products (4.9 per cent) and fruit and vegetable industries (3.7 per cent). These increases were partially offset by declines in the feed industry and the cereal grain flour industry. Both these industries not only experienced consistent gains since 1993, but reached record levels in 1996. However, in 1997, activity dropped by 8.7 per cent in the feed industry and 10.2 per cent in the cereal grain flour industry.

➤ During recent years, Alberta **beverage firms** have seen their share of national beverage shipments steadily increase to just over nine per cent. In 1997, the province's beverage sector posted its largest gain in three years at 11.3 per cent for a total of \$650 million. This was the greatest increase among the provinces and outperformed the leading beverage producer in the country - Ontario beverage shipments rose only 0.2 per cent over 1996. Alberta's strong performance was mostly due to a 16.2 per cent jump in soft drink shipments. Activity in the brewery products industry was also up by 2.4 per cent.

Table 1 Gross Value of Alberta Agricultural Production by Sector, 1992-1996

Calendar Year	1992r	1993r	1994r	1995r	1996p	% Chg. 96/95
Crops	Production (000 tonnes) (1)					
All Wheat	6,327.6	7,620.2	5,592.7	7,337.3	7,789.1	6.2
Oats for Grain	1,036.4	1,465.1	1,187.5	771.1	1,079.5	40.0
Barley for Grain	4,855.3	6,314.0	5,464.9	6,335.8	7,076.0	11.7
All Rye	75.0	81.3	88.9	61.0	64.1	5.1
Mixed Grains	38.8	110.2	81.6	120.4	73.5	-39.0
Flaxseed	19.1	40.6	40.6	53.3	20.3	-61.9
Canola	1,349.4	2,154.6	2,472.1	2,426.7	1,701.0	-29.9
Mustard Seed (2)	18.5	43.4	50.2	60.2	29.0	-51.8
Sugar Beets (3)	475.8	542.3	737.8	688.5	676.6	-1.7
Tame Hay	7,620.4	7,348.2	9,162.6	7,620.4	8,598.0	12.8
Peas, Dry (2)	182.7	364.3	408.0	412.3	307.5	-25.4
Other Crops	...	...	...	...	...	...
	Average Farm Value (\$/tonne) (4)					
All Wheat	109.86	122.72	172.25	209.59	151.72	-27.6
Oats for Grain	97.91	88.19	88.00	169.00	101.06	-40.2
Barley for Grain	82.67	76.70	97.81	154.81	119.16	-23.0
All Rye	83.85	87.00	91.00	133.00	148.56	11.7
Mixed Grains	80.54	76.04	99.85	159.74	111.80	-30.0
Flaxseed	214.95	229.91	268.00	293.00	316.46	8.0
Canola	275.13	313.05	350.00	372.00	398.26	7.1
Mustard Seed (2)	233.69	271.39	276.52	406.75	601.64	47.9
Sugar Beets (3)	38.19	38.83	43.02	43.70	42.13	-3.6
Tame Hay	69.71	70.47	67.31	80.91	95.12	17.6
Peas, Dry (2)	162.41	151.02	166.58	194.00	223.77	15.3
Other Crops	...	...	...	...	...	...
	Value of Production (\$'000)					
All Wheat	695,150	935,151	963,343	1,537,825	1,181,762	-23.2
Oats for Grain	101,475	129,200	104,500	130,316	109,094	-16.3
Barley for Grain	401,407	484,303	534,522	980,845	843,176	-14.0
All Rye	6,289	7,073	8,090	8,113	9,523	17.4
Mixed Grains	3,125	8,379	8,148	19,233	8,217	-57.3
Flaxseed	4,106	9,334	10,881	15,617	6,424	-58.9
Canola	371,266	674,504	865,235	902,732	677,440	-25.0
Mustard Seed (2)	4,323	11,778	13,881	24,486	17,448	-28.7
Sugar Beets (3)	18,173	21,060	31,742	30,087	28,505	-5.3
Tame Hay	531,214	517,828	616,735	616,567	817,842	32.6
Peas, Dry (2)	29,672	55,016	67,965	79,986	68,809	-14.0
Other Crops (5)	178,698	174,219	178,333	205,144	185,010	-9.8
Total Value of Crops	2,344,898	3,027,846	3,403,374	4,550,951	3,953,251	-13.1

(1) Source: Statistics Canada unless otherwise noted.

(2) Source: Specialty Crop Survey conducted by Statistics Unit of Production Economics and Statistics Branch, AAFRD

(3) Source: Alberta Sugar Beet Growers Marketing Board

(4) Source: Statistics Unit, Production Economics and Statistics Branch

(5) Source: Farm Cash Receipts estimates from Statistics Canada. "Other Crops" include corn, potatoes, vegetables, strawberries, other berries/grapes, floriculture and nursery, sunflower seed, lentils, forage and grass seed.

Table 1 Gross Value of Alberta Agricultural Production by Sector - Cont'd

Calendar Year	1992r	1993r	1994r	1995r	1996p	% Chg. 96/95
Livestock and Products						
Cattle and Calves	1,574,228	1,807,977	1,958,543	2,086,712	2,034,923	-2.5
Hogs	277,626	320,004	334,338	382,942	434,374	13.4
Sheep and Lambs	10,408	9,787	12,824	15,007	15,378	2.5
Total Livestock	1,862,262	2,137,768	2,305,705	2,484,661	2,484,675	0.0
Dairy Products	248,537	244,663	257,843	265,643	290,753	9.5
Poultry and Eggs	143,596	151,125	163,053	165,550	181,043	9.4
Honey (7)	13,965	16,755	21,729	18,280	25,994	42.2
Other Livestock and Products	34,494	39,390	40,254	41,642	43,814	5.2
Total Value of Livestock and Livestock Products	2,302,854	2,589,701	2,788,584	2,975,776	3,026,279	1.7

Total Gross Value of Agricultural Production in Alberta (\$ 000)						
	1992r	1993r	1994r	1995r	1996p	% Chg. 96/95
Crops	2,344,898	3,027,846	3,403,374	4,550,951	3,953,251	-13.1
Livestock and Livestock Products	2,302,854	2,589,701	2,788,584	2,975,776	3,026,279	1.7
Total Value of Production	4,647,752	5,617,547	6,191,958	7,526,727	6,979,530	-7.3

Note: Totals may not add up due to rounding.

(6) Source: Statistics Canada unless otherwise noted. Estimates for cattle and calves, hogs, sheep and lambs include farm cash receipts plus the value of inventory change less feeder imports plus income-in-kind. Estimates for dairy products and other livestock and products include farm cash receipts plus income-in-kind. Gross value of production is shown for poultry and eggs.

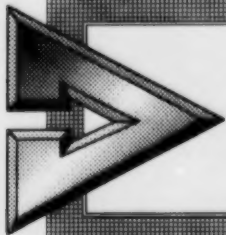
(7) Source: Statistics Unit, Production Economics and Statistics Branch

Prepared by: Statistics Unit, Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Value of Agricultural Production:

Every year, about 22 million acres of cropland are harvested in Alberta and millions of cattle, hogs, sheep and poultry are slaughtered for human consumption. The above table presents a gross measurement of this agricultural activity incorporating production estimates, average farm values, farm market cash receipts, value of inventory change estimates and income-in-kind. Farm market cash receipts represents the cash income received from the sale of agricultural commodities excluding direct government program payments. Income-in-kind measures the value of agricultural commodities produced on farms and consumed by individuals living on these farm operations.

Users should note that double counting may occur as in the case of barley, much of which is grown and fed to cattle. In the above table, barley is valued in the crops sector as well as in the total value of cattle marketed. Gross value of production, therefore, incorporates total production from all farms, regardless of where and how it is used or marketed.



FARM INCOME AND EXPENSES

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Definition of Farm Cash Receipts

Farm cash receipts refers to the cash income received from the sale of agricultural commodities (field crops, vegetables, fruits, floriculture and nursery products, sod, maple and forest products, livestock, dairy products, poultry, eggs, wool, fur, honey and beeswax) as well as direct program payments to producers. The sector includes all agricultural holdings with annual sales of agricultural products of at least \$250.

Direct program payments to producers refers to the amounts paid to individuals involved in agricultural production. This includes subsidies to encourage production or to compensate producers for low market returns, payments to stabilize incomes and payments to compensate producers for crop or livestock losses caused by extreme climatic conditions, disease or other reasons.

All inter-farm sales within a province are excluded from farm cash receipts estimates as their inclusion would result in double counting. However, farm-to-farm sales between provinces are included as are sales outside the sector. Excluding inter-farm sales within a province means that farm cash receipts cannot be used as a measure of the gross output of the agriculture sector.

Estimates of farm cash receipts are on a cash basis and represent the value of sales when they occur (when ownership first changes hands). Sales are only recorded when cash disbursements have actually occurred. The prices used to value transactions include any bonuses and premiums which can be attributed to specific commodities, but exclude fees deducted before the producer is paid (e.g. storage, transportation, marketing or administrative costs).

Alberta Farm Income in 1996

The Year in Review

NOTE: All amounts shown are in nominal dollars unless otherwise noted.

Revenue from product sales continued to climb in 1996 as Alberta farmers realized yet another record year. Farm market receipts totalled \$6.2 billion, up 9.1 per cent from \$5.7 billion in 1995. For the third successive year, producer receipts from crop sales climbed to a new historical high. Crop receipts grew by 12 per cent to \$2.9 billion due to a continued strong cereal grain market. In the livestock sector, producer receipts were up 6.8 per cent to \$3.3 billion, a fifth consecutive record total.

Direct payments to producers under farm support and insurance programs dropped in 1996, continuing a steady downward trend since 1993. Payments in 1996 totalled \$152 million, compared with \$177 million in 1995 and \$887 million in 1992 - the highest payment level ever.

The 1996 crop was about average but of somewhat variable quality, with the cereal grains generally grading above average and canola grading below average. In 1996, production of the six major grains and oilseeds (wheat, barley, oats, rye, canola seed and flaxseed) was 17.7 million tonnes, compared with 17.0 million tonnes in 1995 and a five-year (1991-95) average of 15.9 million tonnes.

In 1996, the protracted expansion of Alberta's cattle industry was once again evident. As at July 1, 1996, the number of cattle and calves on farms was a record 5.67 million head, up slightly from 5.61 million head in 1995. On the other hand, the 1996 pig inventory was down 7.7 per cent to 1.88 million head, while the sheep and lamb inventory decreased by 7.4 per cent to 244,000 head.

Cattle slaughter in Alberta packing plants rose yet again to a record high in 1996, for the fifth straight year. The kill volume jumped 16.8 per cent over 1995 levels to 1.79 million head. However, due to lower levels of inventory and production, hog slaughter was down four per cent from a year earlier to 2.14 million head.

The U.S. market continues to exert substantial influence on the Alberta livestock industry. In 1996, cattle exports to the U.S. rose 21.9 per cent to 729,649 head. However, prices continued to slide because of high supply levels. The average live price for steers (delivered directly to packers) was \$78.42 per cwt. This compares with \$82.90 in 1995, \$86.34 in 1994 and \$92.02 in 1993.

For the fifth successive year, total Alberta farm cash receipts (market receipts plus program payments) reached a new record in 1996, rising 8.5 per cent to \$6.4 billion from \$5.9 billion in 1995. As in 1995, growth in 1996 was mainly characterized by significantly higher market receipts for the cereal grains.

For the fourth consecutive year, gains in market receipts resulted in reduced program payments. Total direct payments, at \$152 million in 1996, were down 14.6 per cent from \$177 million in 1995.

1996 marked the first year of payments under the Alberta Farm Income Disaster Program (FIDP). This is a whole-farm program that was introduced in 1995 to provide some stability against fluctuations in farm program margins. Payments in 1996 totalled \$46 million.

Total crop receipts (market receipts plus program payments) rose 12 per cent in 1996 to \$2.9 billion, from \$2.6 billion in 1995. Crop insurance payments continued to drop, falling 18 per cent to \$65 million, after declining 4.4 per cent in 1995 and 44.5 per cent in 1994. Following a 74.9 per cent drop in 1995, Gross Revenue Insurance Plan (GRIP) payments fell

a further 85.1 per cent in 1996. The 1996 payment of \$8 million contrasts sharply with a record \$357 million paid out in 1992.

In 1996, wheat, canola and barley remained the three main contributors to crop market receipts at 42.5 per cent, 27.1 per cent and 16.4 per cent, respectively.

Wheat receipts jumped 41.4 per cent in 1994 due to a recovery in global cereal grain markets. This strong performance continued through 1995 with receipts rising another 26.2 per cent to \$1.1 billion. In 1996, persistently favourable market conditions resulted in yet another increase of 16.4 per cent, raising receipts to \$1.2 billion. The 1995/96 Canadian Wheat Board realized payment price for #1CWRS wheat (14.5 per cent protein) was \$245.27 per tonne (basis Edmonton/Calgary). This compares with \$211.20, \$205.20, \$170.04 per tonne for the 1994/95, 1993/94, 1992/93 crop years, respectively.

In 1996, barley receipts rose 43.8 per cent over 1995 to a record \$479 million. This rise, as in the case of wheat, was due to a sustained strong market stemming from high global demand. The 1995/96 CWB realized payment price for #1CW barley (Edmonton/Calgary) rose 119 per cent to \$166.59 per tonne, up from \$76.01 per tonne the previous crop year.

After a drop in 1995 from a previous record in 1994, canola receipts rebounded sharply to a new high in 1996. At \$791 million, 1996 receipts were up 11.5 per cent over 1995 and exceeded the previous record set in 1994 by 2.3 per cent. In recent years, high global demand for edible oils has provided support to oilseed prices. Averaged over the year, the 1996 export price for Alberta canola was \$430.93 per tonne, up from \$417.21 in 1995, and \$380.87 in 1994.

Payments to Alberta farmers for crop support and insurance programs continue to dwindle. In 1996, these payments amounted to \$91 million, down 39.8 per cent from \$151 million in 1995. The majority of 1996 payments were made under hail and crop insurance (\$65 million), while Net Income Stabilization Account withdrawals totalled \$14 million. With the continuing phase-out of the Gross Revenue Insurance Plan, payments fell in 1996 to \$8 million. This compares with a record 1992 payment of \$357 million.

Farm cash receipts (market receipts plus program payments) from **cattle and calf sales** have risen steadily since 1991. In 1996, sales reached a fifth consecutive record of \$2.3 billion, up 4.6 per cent from the year earlier record of \$2.2 billion. This sustained growth reflects high cyclical production, generally high prices (except for a sharp decline in 1996) and high export levels.

The estimated value of cattle and calves shipped to other Canadian provinces and other countries in 1996 was \$788 million, lower than \$798 million reported in 1995. A weak Canadian dollar continued to make Alberta cattle and calves attractive to U.S. packers and feedlot operators.

Due to a strong market, hog receipts climbed to a new record of \$447 million in 1996, up 17 per cent from the previous high of \$383 million recorded in 1995. The 1996 Index 100 dressed hog price averaged \$1.82 per kg, up markedly from \$1.47 per kg in 1995. Live hog exports rose to 440,627 head in 1996, up 21.9 per cent from 361,571 in 1995. More significantly, owing to the sharp price increase in 1996, export revenue jumped 41.7 per cent to \$73 million from \$51 million in 1995.

After rising to a six year high of \$141 million in 1992, livestock program payments fell in 1993 to \$23 million, and then stabilized at slightly below that mark in 1994 and 1995. In 1996, however, payments declined again to \$15 million. The majority of 1996 payments (\$12 million) were made under the national Dairy Subsidy Program, but it still represented a decrease of 11.3 per cent from 1995. Further, payments under all the other programs fell as the province moved to the whole farm support concept under the FIDP.

Farm Operating Expenses

Farm operating expenses continue to rise due to inflation and increasing demand. Major operating expense items include rent, wages, fertilizer, machinery repair and maintenance, machinery fuel, commercial feed and interest on farm loans. In 1996, total

farm operating expenses (after rebates and including depreciation) increased four per cent to \$5.6 billion from \$5.4 billion in 1995. Every expense item was up from 1995.

Since 1992, consumer price changes as measured by the Consumer Price Index (CPI) were below 2.5 per cent. In 1996, the Alberta All-Items CPI rose 2.2 per cent, slightly down from the 1995 level of 2.3 per cent. As well, Alberta's Farm Input Price Index (FIPI) rose 3.1 per cent, smaller than the 4.2 per cent gain in 1995. The FIPI measures the price changes of a basket of goods and services purchased by farmers for use in agricultural production.

Input costs are related to variable costs (or those expenses which vary with production). They include such items as fertilizer, machinery repairs and feed and livestock purchases. Input costs constitute about 60 per cent of Alberta's total farm operating expenses. In the short run, input costs can be easily changed, for example, by an increase or decrease in fertilizer use. Over time, however, large changes in input expenses can occur, such as with livestock and feed purchases.

Fluctuations in total **fertilizer expenses** are due to changes in prices and quantities used. In turn, fertilizer use is influenced by grain prices and yield expectations. Fertilizer costs have been trending upward since 1993. In 1996, purchases totalled \$504 million, rising nine per cent from \$462 million in 1995 due to higher prices and increased use. Data from the Alberta Agriculture, Food and Rural Development's farm input price monitoring program (AIMS) show that some fertilizer prices rose by over eight per cent in 1996.

Machinery maintenance and fuel costs are the second largest farm operating expense, next to depreciation on capital assets. In 1996, fuel expenses rose seven per cent to \$378 million. Repair costs also rose seven per cent to \$454 million. Therefore, at \$832 million, total machinery expenses increased seven per cent over 1995.

Feed expenses measure only what is bought through commercial channels (e.g., feed grains, supplements and blended feed rations). Inter-farm sales of feed are not measured because they represent receipts to the seller and expenses to the buyer and, therefore, net out. Feed expenses in 1996 (net of rebates) totalled \$655 million, well above the previous high of \$561 million in 1995, and marked a third consecutive record-setting year. Increased feed costs were due to higher livestock production levels and cereal grain prices.

Livestock purchased by farmers are typically for breeding or feeding out in feedlots for slaughter. However, a number of them are purchased for recreational purposes. In 1996, for the third year in a row, the value of livestock purchased fell due mainly to declining cattle prices and reduced purchases by feedlot and cow-calf operators. Purchases dropped 20.3 per cent in 1996 to \$347 million. The all-time high was set in 1993 at \$501 million.

Overhead costs are associated with "fixed" expenditures which typically must be paid regardless of whether there is production or not. Thus, these costs have no direct bearing on production. Overhead costs make up about 40 per cent of total operating expenses. Examples of overhead costs are depreciation of capital and interest expenses.

Depreciation of machinery and buildings is the single largest overhead expense for Alberta farmers. Although not direct cash outlays, but rather a measure of the cost of owning buildings and equipment over time, these charges do in fact constitute the single largest expense category each year. Due to inflation and higher asset replacement rates in 1996, depreciation costs were higher in 1996. Depreciation charges on farm machinery rose 5.4 per cent to a record \$771 million. Depreciation charges on buildings rose faster at 12.7 per cent to a high of \$136 million.

Interest payments on farm business loans, net of rebates and defaults on loan guarantees made up 8.7 per cent of total operating expenses in 1996. This compares with about ten per cent in 1995 and 1994. Net interest expense decreased by 11.3 per cent in 1996 to \$411 million, a result of declining interest rates in 1996. The chartered bank prime lending rate dropped to 6.06 per cent in 1996 from 8.65 per cent in 1995, while the Bank of Canada rate fell to 4.53 per cent from 7.31 per cent in 1995.

Farm Debt and Farm Income

Alberta's total farm debt outstanding as at December 31, 1996 was a record \$6.7 billion. This marked the second consecutive record year-end debt level and represented a marginal 0.8 per cent increase from the 1995 level of \$6.6 billion. Chartered banks accounted for 47.8 per cent of the total 1996 farm debt. Alberta farmers owed \$3.2 billion to these lenders as at December 31, 1996, up one per cent from a year earlier. The second largest lending source consists of provincial government agencies, including the Agricultural Financial Services Corporation and Alberta Treasury Branches. Loans from these agencies made up 27.1 per cent of the 1996 farm debt at \$1.8 billion.

Income from farming operations is estimated regularly by Statistics Canada in cooperation with Alberta Agriculture, Food and Rural Development. The estimates measure income returned to owners of agricultural businesses from the production of agricultural products. The income of farm operators and members of their families from non-farm sources (such as wages and salaries received for off-farm work, investment income, etc.) is not included. Revenues and expenses related to sales and purchases of farm capital (real estate, machinery and equipment) are also excluded. The estimates provide three levels/measures of farm income on a calendar year basis: net cash income, realized net income and total net income. No allowance is made for accounts receivable or payable.

Net cash income is the difference between total farm cash receipts (including direct program payments to farmers) and farm operating expenses (net of rebates). It is a measure of net cash flow during a given year. In 1996, Alberta's net cash income rose 25.3 per cent to \$1.7 billion, from \$1.3 billion in 1995. The jump was due to an increase of 8.5 per cent in cash receipts which more than offset a four per cent increase in operating expenses.

Realized Net Income (RNI) climbed 56.5 per cent in 1996 to \$775 million from \$495 million a year earlier. RNI refers to the after-expense earnings from farming that is available to the farmer for debt servicing, savings, personal consumption, investments and taxes. The 1996 rise followed increases of 7.8 and 48.6 per cent in 1995 and 1994, respectively. These increases were largely due to significantly higher receipts from crop sales caused by a sustained improvement in grain markets worldwide. The increase in crop receipts more than offset a four per cent rise in operating expenses. By definition, RNI represents the residual income from farming operations after income-in-kind (the value of commodities produced on farms and consumed by individuals living on these farms) and all production costs and depreciation charges have been accounted for.

Total net income is the sum of realized net income and value of inventory change. This represents the return to the operator's equity, management and risk, and includes unpaid family labour that is earned in the reference year. Consequently, it accounts for total primary agricultural economic production. In 1996, total net income fell 21.5 per cent to \$613 million and was due to a sharp drop in the value of producer-owned inventories. However, despite the decrease in 1996, the total net income estimate for the year was still the fourth highest in the last ten years.

Table 2 Selected Farm Income Statistics (\$'000), Canada and Provinces, 1993-1997

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Total Farm Cash Receipts (Market Receipts plus Program Payments)								
1993r	24,145,585	4,997,813	4,548,096	2,382,178	1,431,996	5,922,558	3,966,600	896,344
1994r	25,818,021	5,522,069	5,043,585	2,442,295	1,521,039	6,060,320	4,238,321	990,392
1995r	27,036,943	5,893,203	5,373,855	2,508,367	1,564,473	6,311,766	4,382,075	1,003,204
1996p	28,600,760	6,391,742	5,444,338	2,755,074	1,643,168	6,607,604	4,693,786	1,065,048
1997p	29,757,877	6,289,787	5,908,134	3,028,814	1,881,365	6,803,036	4,807,531	1,039,210
Crop Market Cash Receipts								
1993r	9,023,123	1,531,902	2,593,558	1,066,026	548,754	2,139,539	806,218	337,126
1994r	11,499,487	2,143,279	3,660,416	1,219,337	622,526	2,520,634	905,587	427,708
1995r	13,045,508	2,609,863	4,067,734	1,427,962	700,838	2,825,323	1,003,851	409,937
1996p	13,848,200	2,921,853	4,199,856	1,609,658	710,993	2,837,237	1,136,397	432,206
1997p	14,246,897	2,534,084	4,462,835	1,720,265	900,212	3,028,362	1,194,492	406,647
Livestock and Livestock Products Market Cash Receipts								
1993r	12,279,827	2,889,748	1,116,860	928,669	841,561	3,363,786	2,621,521	517,682
1994r	12,494,641	2,996,581	1,037,519	909,172	868,934	3,396,277	2,759,976	526,182
1995r	12,676,958	3,105,962	994,598	960,301	838,154	3,375,036	2,857,317	545,590
1996p	13,682,533	3,318,320	1,041,136	1,089,240	898,629	3,595,333	3,147,755	592,120
1997p	14,463,701	3,563,961	1,163,995	1,179,067	948,763	3,639,529	3,361,243	607,143
Total Farm Market Cash Receipts (Crops plus Livestock and Livestock Products)								
1993r	21,302,950	4,421,650	3,710,418	1,994,695	1,390,315	5,503,325	3,427,739	854,808
1994r	23,994,128	5,139,860	4,697,935	2,128,509	1,491,460	5,916,911	3,665,563	953,890
1995r	25,722,466	5,715,825	5,062,332	2,388,263	1,538,992	6,200,359	3,861,168	955,527
1996p	27,530,733	6,240,173	5,240,992	2,698,898	1,609,622	6,432,570	4,284,152	1,024,326
1997p	28,710,598	6,098,045	5,626,830	2,899,332	1,848,975	6,667,891	4,555,735	1,013,790
Program Payments to Farmers								
1993r	2,842,635	576,163	837,678	387,483	41,681	419,233	538,861	41,536
1994r	1,823,893	382,209	345,650	313,786	29,579	143,409	572,758	36,502
1995r	1,314,477	177,378	311,523	120,104	25,481	111,407	520,907	47,677
1996p	1,070,027	151,569	203,346	56,176	33,546	175,034	409,634	40,722
1997p	1,047,279	191,742	281,304	129,482	32,390	135,145	251,796	25,420
Net Cash Income (Total Farm Cash Receipts minus Farm Operating Expenses After Rebates) (1)								
1993r	5,370,703	1,029,565	1,200,338	580,638	270,296	1,091,025	1,010,497	188,344
1994r	5,690,641	1,228,631	1,479,015	463,622	235,226	958,402	1,100,892	224,853
1995r	5,910,178	1,324,165	1,511,418	430,321	238,666	1,145,832	1,068,879	190,897
1996p	6,317,015	1,659,588	1,273,226	557,610	258,346	1,273,175	1,090,894	204,176
1997p	-	-	-	-	-	-	-	-

(1) Preliminary estimates for 1997 will be available mid-1998.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

Table 2 Selected Farm Income Statistics (\$'000), Canada and Provinces - Cont'd

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Realized Net Farm Income (1)								
1993r	2,496,329	309,094	485,517	308,391	136,066	422,227	726,241	108,793
1994r	2,649,644	459,302	722,511	169,589	91,429	264,637	801,943	140,233
1995r	2,641,348	495,267	707,991	109,609	81,029	406,267	740,323	100,862
1996p	2,837,563	775,279	426,784	220,605	88,378	485,864	733,644	107,009
1997p	-	-	-	-	-	-	-	-
Total Net Farm Income (1)								
1993r	3,643,341	926,106	880,501	233,420	182,215	553,032	786,727	81,340
1994r	3,051,328	542,648	759,090	346,463	129,467	296,518	852,900	124,242
1995r	3,122,096	781,532	827,337	158,373	107,920	338,704	754,447	153,783
1996p	3,649,962	613,259	1,219,020	509,669	38,255	269,708	887,868	112,183
1997p	-	-	-	-	-	-	-	-
Farm Operating Expenses After Rebates and Before Depreciation (1)								
1993r	18,774,884	3,968,247	3,347,759	1,801,541	1,161,702	4,831,533	2,956,103	707,999
1994r	20,127,378	4,293,435	3,564,569	1,978,674	1,285,811	5,101,918	3,137,430	765,541
1995r	21,126,766	4,569,040	3,862,436	2,078,046	1,325,806	5,165,935	3,313,197	812,306
1996p	22,283,749	4,732,154	4,171,112	2,197,464	1,384,822	5,334,429	3,602,892	860,876
1997p	-	-	-	-	-	-	-	-
Farm Debt Outstanding at December 31 (1)								
1993r	23,556,624	6,359,609	4,481,809	2,019,661	1,319,778	4,975,440	3,630,699	769,628
1994r	24,610,590	6,398,914	4,410,798	2,216,641	1,444,686	5,159,713	4,113,611	866,227
1995r	25,714,556	6,613,478	4,509,308	2,421,856	1,514,909	5,329,524	4,393,001	932,480
1996p	27,157,956	6,667,223	4,756,660	2,557,798	1,593,124	5,837,733	4,755,789	989,629
1997p	-	-	-	-	-	-	-	-
Value of Farm Capital at July 1 (1)								
1993r	125,707,379	30,192,435	25,191,438	10,627,833	9,627,937	34,707,080	12,162,342	3,198,314
1994r	131,436,306	32,388,883	26,585,258	11,139,293	10,688,931	34,614,309	12,698,152	3,321,480
1995r	138,740,459	34,815,706	28,559,298	11,808,146	11,576,301	35,092,934	13,398,761	3,489,313
1996p	149,772,923	37,680,491	30,392,385	12,543,763	12,431,642	38,375,993	14,612,525	3,736,124
1997p	-	-	-	-	-	-	-	-
Value per Acre of Farm Land and Buildings (dollars) (1) (2)								
1993r	537	392	247	367	1,366	2,108	958	908
1994r	556	416	261	379	1,533	2,081	1,001	938
1995r	594	463	285	401	1,685	2,116	1,070	994
1996p	665	511	327	436	1,766	2,382	1,186	1,036
1997p	-	-	-	-	-	-	-	-

(1) Preliminary estimates for 1997 will be available mid-1998.

(2) Figures shown for Atlantic provinces are averages.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

Fig. 3 Distribution of 1997 Canadian Farm Cash Receipts by Province (\$ Billions)



Alberta's Share of Canadian Farm Cash Receipts

	\$ Millions		% Share
	Alberta	Canada	
Selected Commodities			
Sugar Beets	30	35	87.2%
Hay and Clover	50	90	55.6%
Cattle and Calves	2,538	5,103	49.7%
Forage and Grass Seed	18	37	48.5%
Barley	326	848	38.4%
Canola	663	1,962	33.8%
Honey	25	75	32.7%
All Wheat	1,076	4,283	25.1%
Sheep and Lambs	18	74	24.7%
Dry Peas	50	205	24.6%
Oats	55	268	20.6%
Hogs	438	2,974	14.7%
Dairy Products	318	3,715	8.6%

".....Alberta is the second largest generator of farm revenue in Canada after Ontario".

Table 3 Farm Cash Receipts by Type, Alberta and Canada, 1996 and 1997

	Alberta				Canada				Alberta as a % of Canada - 1997
	1996p \$'000	1997p \$'000	% Chg.	% of Total	1996p \$'000	1997p \$'000	% Chg.	% of Total	
Crop Market Receipts									
All Wheat	1,238,230	1,076,196	-13.1	17.1	4,482,593	4,283,173	-4.4	14.4	25.1
Oats	89,031	55,057	-38.2	0.9	316,648	268,027	-15.4	0.9	20.5
Barley	478,739	325,493	-32.0	5.2	1,100,250	848,142	-22.9	2.9	38.4
Rye	7,467	7,581	1.5	0.1	39,425	34,666	-12.1	0.1	21.9
Flaxseed	10,699	9,984	-6.7	0.2	258,429	334,994	29.6	1.1	3.0
Canola	791,403	662,799	-16.3	10.5	1,984,217	1,961,883	-1.1	6.6	33.8
Total Major Crops	2,615,569	2,137,110	-18.3	34.0	8,181,562	7,730,885	-5.5	26.0	27.6
CWB Adv./Deferments (Net)	(70,149)	33,128	-147.2	*	(235,909)	121,758	-151.6	0.4	27.2
Dry Peas	61,616	50,437	-18.1	0.8	224,632	204,712	-8.9	0.7	24.6
Corn	406	336	-17.2	*	804,503	731,224	-9.1	2.5	0.0
Forage and Grass Seed	19,102	17,675	-7.5	0.3	42,224	36,518	-13.5	0.1	48.4
Hay and Clover	48,617	50,194	3.2	0.8	77,583	90,297	16.4	0.3	55.6
Sugar Beets	27,008	30,062	11.3	0.5	40,670	34,483	-15.2	0.1	87.2
Potatoes	49,799	41,998	-15.7	0.7	487,978	519,015	6.4	1.7	8.1
Vegetables	49,391	50,299	1.8	0.8	915,256	1,044,461	14.1	3.5	4.8
Floriculture and Nursery	58,257	69,236	18.8	1.1	1,032,236	1,121,895	8.7	3.8	6.2
Mustard Seed	15,785	14,452	-8.4	0.2	103,969	91,214	-12.3	0.3	15.8
Sunflower Seed	1,537	976	-36.5	*	19,820	16,176	-18.4	0.1	6.0
Lentils	4,418	1,995	-54.8	0.0	125,176	95,083	-24.0	0.3	2.1
Other Crops (1)	40,497	36,186	-10.6	0.6	2,028,500	2,409,176	18.8	8.1	1.5
Total Crops	2,921,853	2,534,084	-13.3	40.3	13,848,200	14,246,897	2.9	47.9	17.8
Livestock and Livestock Products Market Receipts									
Cattle and Calves	2,317,348	2,537,669	9.5	40.3	4,624,346	5,102,786	10.3	17.1	49.7
Hogs	447,439	437,593	-2.2	7.0	2,889,328	2,974,099	2.9	10.0	14.7
Sheep and Lambs	18,056	18,284	1.3	0.3	75,616	74,017	-2.1	0.2	24.1
Dairy Products	290,753	318,194	9.4	5.1	3,515,678	3,715,263	5.7	12.5	8.6
Hens, Chickens and Turkeys	124,832	128,910	3.3	2.0	1,517,121	1,554,445	2.5	5.2	8.3
Eggs	56,211	53,112	-5.5	0.8	659,530	631,730	-4.2	2.1	6.4
Honey	19,883	24,516	23.3	0.4	70,822	74,953	5.8	0.3	32.7
Other Livestock and Products	43,798	45,683	4.3	0.7	330,092	336,408	1.9	1.1	13.6
Total Livestock	3,318,320	3,563,961	7.4	56.7	13,682,533	14,463,701	5.7	48.6	24.6
Program Payments to Farmers									
NISA Payments (2)	14,128	22,773	61.2	0.4	114,716	153,322	33.7	0.5	14.9
GRIP Payments (3)	8,164	287	-96.5	0.0	31,522	24,339	-22.8	0.1	1.2
Crop Insurance Payments	65,438	90,437	38.2	1.4	367,435	381,941	3.9	1.3	23.7
WGSA Payments (4)	(1,404)	(181)	-87.1	*	(4,527)	(582)	-87.1	*	31.1
Tripartite Payments	477	3,895	716.6	*	(461)	5,580	-1310.4	*	69.8
Provincial Stabilization Paym.	0	0	-	-	296,299	153,110	-48.3	0.5	-
Dairy Subsidy	11,677	9,121	-21.9	0.1	170,657	146,610	-14.1	0.5	6.2
Other Payments	53,089	65,410	23.2	1.0	94,386	182,959	93.8	0.6	35.8
Total Payments	151,569	191,742	26.5	3.0	1,070,027	1,047,279	-2.1	3.5	18.3
Total Farm Cash Receipts	6,391,742	6,289,787	-1.6	100.0	28,600,760	29,757,877	4.0	100.0	21.1

* too small to be expressed

Note: Interim and final payments received from the Canadian Wheat Board (wheat and barley) are included in the calendar year in which payments were received by producers.

(1) Other crops include tobacco, ginseng, canary seed, dry beans, maple products, forest products, soybeans, apples, other tree fruits, strawberries, other berries/grapes and miscellaneous crops.

(2) Net Income Stabilization Account (3) Gross Revenue Insurance Plan (4) Western Grain Stabilization Act

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

Fig. 4 Alberta Farm Cash Receipts - Major Components, 1971-1997

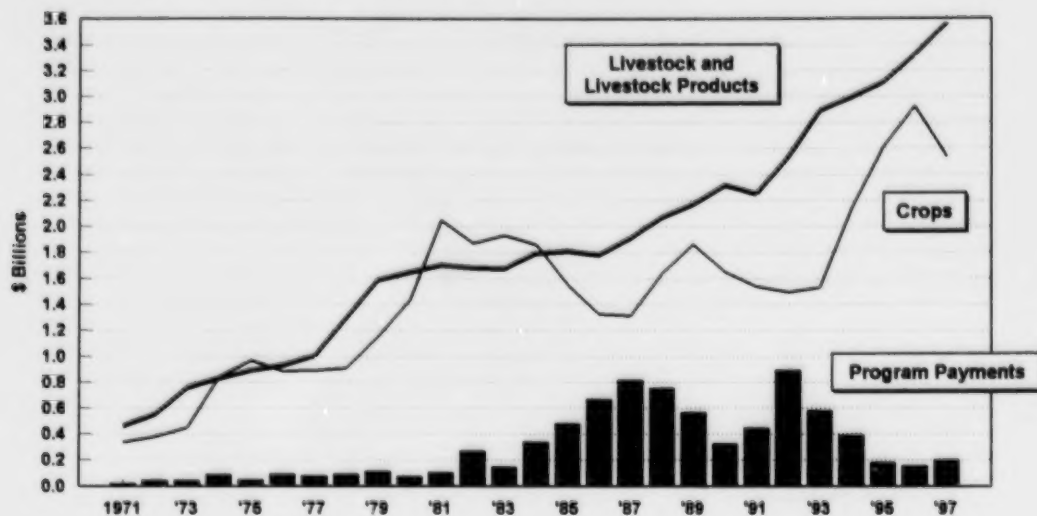


Fig. 5 Farm Cash Receipts for Alberta All Wheat, Barley and Canola, 1971-1997

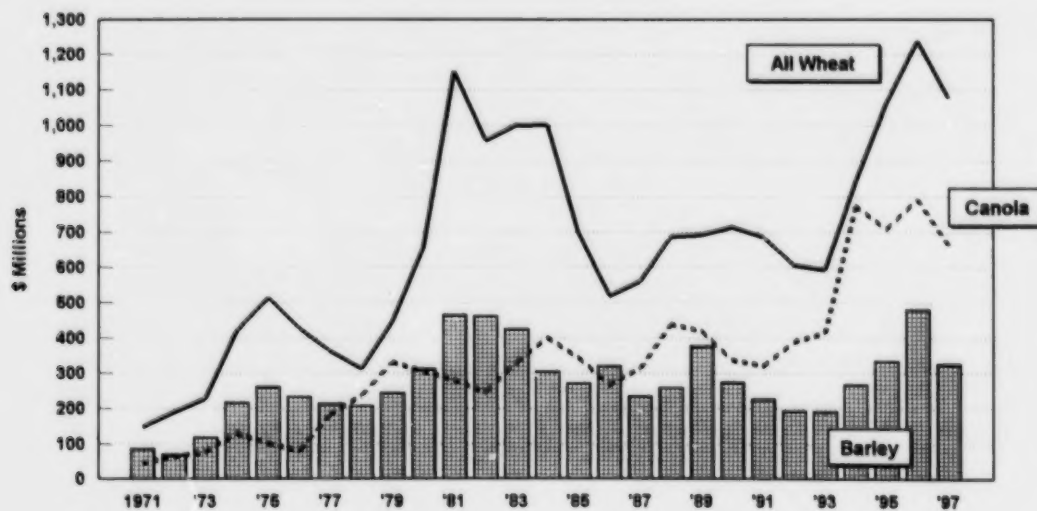


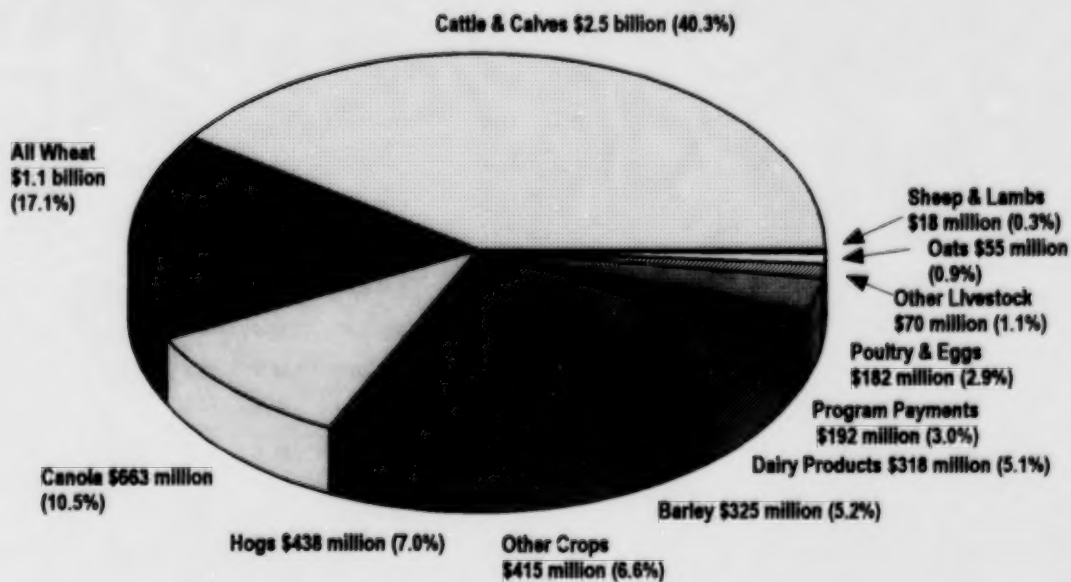
Table 4 Alberta Farm Cash Receipts - Major Components, 1971-1997

	Crops			Livestock & Products			Program Payments			Total Receipts	
	\$'000	% Chg.	% of Total	\$'000	% Chg.	% of Total	\$'000	% Chg.	% of Total	\$'000	% Chg.
1971	334,912		41.2	462,883		56.9	15,782		1.9	813,577	
1972	377,546	12.7	39.1	550,969	19.0	57.1	36,142	129.0	3.7	964,657	18.6
1973	449,350	19.0	36.1	755,510	37.1	60.7	39,610	9.6	3.2	1,244,470	29.0
1974	839,224	86.8	48.0	830,030	9.9	47.5	78,717	98.7	4.5	1,747,971	40.5
1975	969,083	15.5	51.0	890,635	7.3	46.8	42,024	-46.6	2.2	1,901,742	8.8
1976	886,006	-8.6	46.7	927,546	4.1	48.9	83,178	97.9	4.4	1,896,730	-0.3
1977	888,600	0.3	45.3	1,000,348	7.8	51.0	73,767	-11.3	3.8	1,962,715	3.5
1978	905,171	1.9	39.5	1,297,265	29.7	56.7	86,543	17.3	3.8	2,288,979	16.6
1979	1,150,301	27.1	40.5	1,586,795	22.3	55.8	105,865	22.3	3.7	2,842,961	24.2
1980r	1,429,786	24.3	45.5	1,646,450	3.8	52.4	68,215	-35.6	2.2	3,144,451	10.6
1981r	2,049,703	43.4	53.2	1,701,080	3.3	44.2	99,163	45.4	2.6	3,849,946	22.4
1982r	1,870,078	-8.8	49.1	1,680,777	-1.2	44.1	261,238	163.4	6.9	3,812,093	-1.0
1983r	1,932,142	3.3	51.5	1,678,258	-0.1	44.7	140,896	-46.1	3.8	3,751,296	-1.6
1984r	1,861,683	-3.6	46.7	1,794,500	6.9	45.0	331,643	135.4	8.3	3,987,826	6.3
1985r	1,550,628	-16.7	40.4	1,811,291	0.9	47.2	475,657	43.4	12.4	3,837,576	-3.8
1986r	1,325,112	-14.5	35.2	1,780,861	-1.7	47.3	661,085	39.0	17.5	3,767,058	-1.8
1987r	1,313,653	-0.9	32.6	1,910,291	7.3	47.4	805,522	21.8	20.0	4,029,466	7.0
1988r	1,637,790	24.7	36.7	2,071,386	8.4	46.5	748,287	-7.1	16.8	4,457,463	10.6
1989r	1,860,266	13.6	40.5	2,170,575	4.8	47.3	560,032	-25.2	12.2	4,590,873	3.0
1990r	1,648,100	-11.4	38.5	2,315,055	6.7	54.1	318,119	-43.2	7.4	4,281,274	-6.7
1991r	1,539,141	-6.6	36.4	2,250,072	-2.8	53.2	438,538	37.9	10.4	4,227,751	-1.3
1992r	1,496,939	-2.7	30.4	2,538,693	12.8	51.6	887,038	102.3	18.0	4,922,670	16.4
1993r	1,531,902	2.3	30.7	2,889,748	13.8	57.8	576,163	-35.0	11.5	4,997,813	1.5
1994r	2,143,279	39.9	38.8	2,996,581	3.7	54.3	382,209	-33.7	6.9	5,522,069	10.5
1995r	2,609,863	21.8	44.3	3,105,962	3.7	52.7	177,378	-53.6	3.0	5,893,203	6.7
1996p	2,921,853	12.0	45.7	3,318,320	6.8	51.9	151,569	-14.6	2.4	6,391,742	8.5
1997p	2,534,084	-13.3	40.3	3,563,961	7.4	56.7	191,742	26.5	3.0	6,289,787	-1.6

Note: Livestock and Products refers to livestock and livestock products.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

Fig. 6 Distribution of 1997 Alberta Farm Cash Receipts by Commodity



1997 Total Farm Cash Receipts: \$6.3 Billion

Table 5 Alberta Farm Cash Receipts From the Sale of Crops, 1971-1997

	(1) Farm Market Cash Receipts	All Wheat	Oats	Barley	CWB Advances/ Deferments (Net)	Rye	Flaxseed	Canola	Sugar Beets	Dry Peas
	\$ '000									
1971	334,912	147,421	8,490	85,528	0	2,375	12,463	45,692	10,584	949
1972	377,546	187,567	7,445	68,350	0	3,311	10,546	64,451	12,162	1,292
1973	449,350	226,280	11,088	117,191	(69,322)	8,766	17,896	76,308	13,360	1,607
1974	839,224	419,390	17,477	215,863	(64,349)	11,338	22,692	130,023	30,079	4,140
1975	969,083	512,290	24,985	259,868	(20,214)	11,664	11,625	100,945	20,094	3,312
1976	886,006	426,353	27,210	231,714	25,662	8,754	12,390	80,545	20,810	1,063
1977	888,600	360,619	24,124	211,682	17,858	6,820	9,714	183,198	17,744	918
1978	905,171	311,383	17,457	205,634	37,382	6,957	9,123	236,563	17,180	1,000
1979	1,150,301	446,763	14,342	242,749	(5,593)	12,545	17,837	329,141	21,163	1,081
1980r	1,429,786	656,240	27,019	311,136	(64,961)	30,485	29,118	305,197	44,821	1,576
1981r	2,049,703	1,150,839	24,937	463,893	(56,840)	29,897	15,951	278,732	38,284	1,785
1982r	1,870,078	957,543	24,409	460,568	31,656	19,616	14,332	246,140	18,729	3,332
1983r	1,932,142	1,000,575	23,111	424,508	(8,064)	15,988	16,357	330,253	27,006	3,160
1984r	1,861,683	1,002,511	24,998	303,101	(23,094)	13,951	7,040	399,484	17,820	2,665
1985r	1,550,628	698,803	17,842	269,566	78,139	4,737	7,279	342,626	3,337	2,039
1986r	1,325,112	517,250	17,052	318,687	24,271	4,645	5,534	267,031	9,001	2,382
1987r	1,313,653	559,646	19,466	232,205	(2,919)	4,743	6,012	313,316	12,680	3,944
1988r	1,637,790	686,440	65,551	256,552	(58,911)	7,720	7,217	437,847	19,380	9,595
1989r	1,860,266	690,843	89,531	376,767	31,153	5,921	6,448	419,740	23,342	12,476
1990r	1,648,100	713,863	37,577	272,197	16,899	5,442	8,349	336,232	26,586	10,817
1991r	1,539,141	685,230	22,770	225,109	33,595	4,688	5,128	320,224	20,877	16,932
1992r	1,496,939	604,720	39,803	192,114	(5,028)	4,628	5,912	388,758	17,277	21,985
1993r	1,531,902	593,161	50,206	189,381	(23,328)	5,087	9,312	414,540	21,965	29,910
1994r	2,143,279	840,653	45,835	265,713	(137,285)	6,318	9,186	773,332	26,627	48,297
1995r	2,609,863	1,063,831	70,855	332,953	4,869	7,305	9,501	709,701	32,401	63,116
1996p	2,921,853	1,238,230	89,031	478,739	(70,149)	7,467	10,699	791,403	27,008	61,616
1997p	2,534,084	1,076,196	55,057	325,493	33,128	7,581	9,984	662,799	30,062	50,437

(1) Includes crop market receipts only (does not include program payments to farmers).

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

Table 5 Alberta Farm Cash Receipts From the Sale of Crops - Cont'd

	Mustard Seed	Sunflower Seed	Lentils	Forage & Grass Seed	Hay & Clover	Potatoes	Vegetables	Floriculture & Nursery	(2) Other Crops
\$'000									
1971	954	261	0	3,593	39	7,714	2,867	3,156	2,826
1972	633	141	0	5,316	6	7,479	3,224	2,461	3,162
1973	3,930	108	0	14,937	47	14,709	4,046	4,597	3,802
1974	11,559	0	0	6,649	108	15,829	5,671	6,325	6,430
1975	4,497	0	0	4,022	61	14,415	6,143	7,920	7,456
1976	2,274	0	0	9,494	51	13,469	7,533	11,674	7,010
1977	3,468	0	0	9,845	0	14,044	8,226	13,419	6,921
1978	4,731	0	0	11,739	0	12,836	8,740	17,247	7,199
1979	2,424	0	0	13,000	0	14,970	11,072	19,762	9,045
1980r	5,235	0	0	15,445	0	17,939	14,168	23,888	12,480
1981r	6,885	0	0	16,162	3,228	22,341	15,732	23,106	14,771
1982r	6,630	0	0	8,225	2,900	21,386	15,168	25,724	13,720
1983r	7,246	0	0	10,322	1,257	21,792	19,556	24,777	14,298
1984r	5,007	0	0	11,822	6,353	25,103	23,552	27,470	13,900
1985r	4,488	0	0	14,182	11,293	27,175	25,943	31,840	11,339
1986r	7,650	0	1,954	30,486	12,345	30,754	29,301	32,044	14,725
1987r	6,150	1,047	1,640	18,269	8,031	34,329	30,846	43,729	20,519
1988r	5,648	776	1,680	23,838	12,383	41,463	35,018	54,432	31,161
1989r	7,431	700	801	14,400	18,705	43,125	37,294	53,639	27,950
1990r	6,621	462	852	15,709	23,466	40,130	45,412	62,984	24,502
1991r	6,180	603	1,260	13,497	23,745	39,480	37,289	56,139	26,395
1992r	6,763	795	2,620	26,828	23,952	41,189	37,912	66,276	20,435
1993r	6,180	1,089	2,270	8,274	40,486	51,676	45,166	61,511	25,016
1994r	7,702	878	3,463	15,655	45,001	50,461	47,687	55,442	38,314
1995r	14,227	1,763	5,747	18,510	57,435	59,886	52,734	61,188	43,841
1996p	15,785	1,537	4,418	19,102	48,617	49,799	43,391	58,257	46,903
1997p	14,452	976	1,995	17,675	50,194	41,998	50,299	69,236	36,522

(2) Other crops include strawberries, other berries/grapes, corn, forest products and miscellaneous crops.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

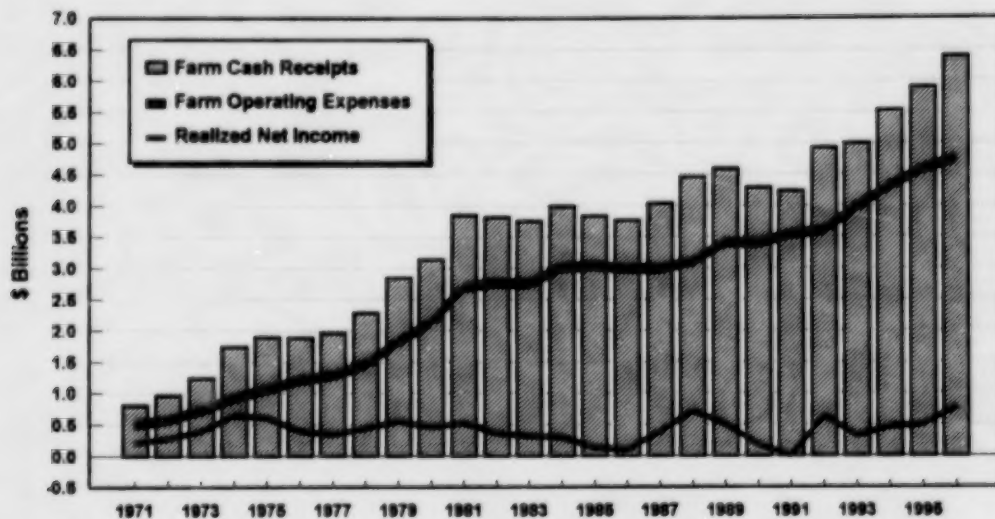
Table 6 Alberta Farm Cash Receipts From the Sale of Livestock, 1971-1997

	(1) Farm Market Cash Receipts	Cattle & Calves	Hogs	Sheep & Lambs	Dairy Products	Hens, Chickens & Turkeys	Eggs	Honey	Other Livestock & Products
1971	462,883	290,252	78,623	1,728	46,843	22,092	13,910	4,307	5,128
1972	550,969	346,611	101,140	2,588	49,033	24,471	14,887	6,017	6,222
1973	755,510	471,962	145,075	3,003	57,605	39,150	20,948	9,621	8,146
1974	830,030	540,437	131,855	3,369	71,615	40,378	25,457	8,888	8,031
1975	890,635	591,297	131,372	3,931	87,903	35,812	26,343	5,955	8,022
1976	927,546	637,939	111,258	4,244	92,663	40,360	25,277	7,579	8,226
1977	1,000,348	695,977	113,493	2,960	99,390	44,083	25,930	9,469	9,046
1978	1,297,265	940,822	149,104	2,821	106,729	48,601	26,911	10,485	11,792
1979	1,586,795	1,178,929	162,123	3,225	123,108	61,227	31,371	13,027	13,785
1980r	1,646,450	1,199,560	166,337	4,142	148,282	64,635	36,195	13,483	13,816
1981r	1,701,080	1,180,059	189,624	3,962	173,992	78,299	43,109	15,161	16,874
1982r	1,680,777	1,106,348	222,491	4,806	196,934	81,012	39,552	13,074	16,560
1983r	1,678,258	1,125,035	202,241	5,231	196,769	77,662	41,262	13,742	16,316
1984r	1,794,500	1,163,579	244,127	7,708	213,969	91,868	42,033	14,353	16,863
1985r	1,811,291	1,181,405	248,331	6,800	215,637	88,570	41,399	11,906	17,243
1986r	1,780,861	1,108,379	279,570	7,929	223,658	83,754	42,091	12,980	22,500
1987r	1,910,291	1,215,075	287,875	9,438	221,104	92,143	40,924	12,500	31,232
1988r	2,071,386	1,391,381	259,596	8,034	238,186	87,729	42,813	10,137	33,510
1989r	2,170,575	1,465,591	265,396	8,900	246,982	96,267	43,717	9,001	34,721
1990r	2,315,055	1,564,906	299,071	8,219	251,207	104,035	41,968	11,666	33,983
1991r	2,250,072	1,529,246	276,759	7,565	250,093	99,609	43,659	13,000	30,141
1992r	2,538,693	1,807,865	277,537	13,324	248,537	97,595	46,001	13,350	34,484
1993r	2,889,748	2,104,259	322,925	11,785	244,663	103,708	47,417	15,609	39,382
1994r	2,996,581	2,185,125	317,501	13,125	257,843	112,680	50,373	19,688	40,246
1995r	3,105,962	2,215,947	382,457	15,040	265,643	112,404	53,146	19,692	41,633
1996p	3,318,320	2,317,348	447,439	18,056	290,753	124,832	56,211	19,883	43,798
1997p	3,563,961	2,537,669	437,593	18,284	318,194	128,910	53,112	21,516	48,683

(1) Includes market receipts for livestock and livestock products (does not include program payments to farmers).

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

Fig. 7 Alberta Farm Cash Receipts, Expenses and Income, 1971-1996



Note: Farm cash receipts include program payments. Farm operating expenses are after rebates and before depreciation.

Fig. 8 Alberta Total Net Farm Income, 1971-1996

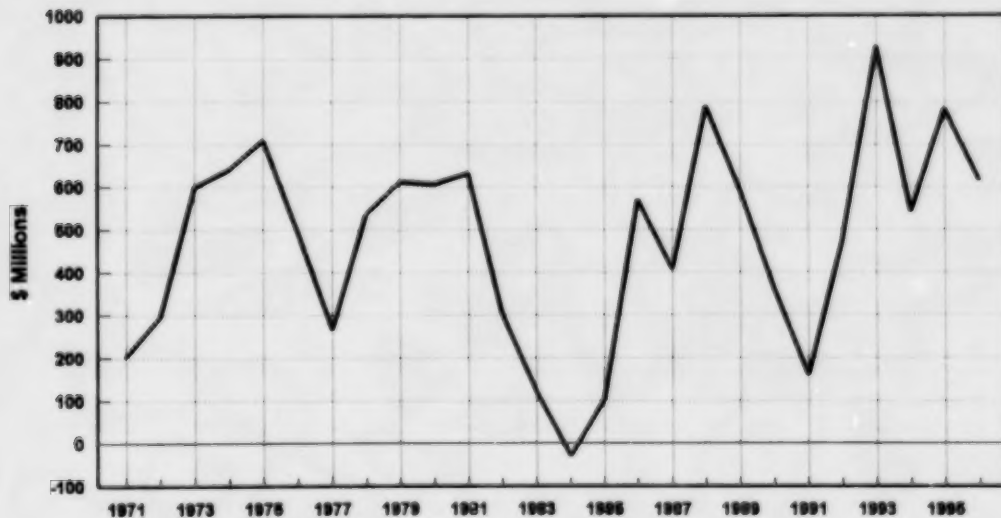


Table 7 Alberta Net Income From Farming Operations, 1971-1996

	1	2	3	4	5	6	7	8
	Total Farm Cash Receipts	Operating Expenses After Rebates	(1-2) Net Cash Income	Income- In-Kind	Depreciation Charges	(3+4-5) Realized Net Income	Value of Inventory Change	(6+7) Total Net Farm Income
1971	813,577	501,724	311,853	16,122	122,192	205,783	(1,749)	204,034
1972	964,657	574,599	390,058	17,348	129,528	277,878	17,530	295,408
1973	1,244,470	723,777	520,693	20,754	144,529	396,918	202,476	599,394
1974	1,747,971	929,068	818,903	18,303	188,921	648,285	(8,698)	639,587
1975	1,901,742	1,053,784	847,958	16,844	254,998	609,804	98,786	708,590
1976	1,896,730	1,207,035	689,695	20,614	312,899	397,410	97,009	494,419
1977	1,962,715	1,280,977	681,738	20,348	361,430	340,656	(75,028)	265,628
1978	2,288,979	1,462,603	826,376	24,091	416,480	433,987	101,002	534,989
1979	2,842,961	1,816,670	1,026,291	27,762	507,030	547,023	63,486	610,509
1980r	3,144,451	2,123,364	1,021,087	29,850	599,711	451,226	153,938	605,164
1981r	3,849,946	2,685,203	1,164,743	23,404	671,675	516,472	113,451	629,923
1982r	3,812,093	2,754,889	1,057,204	21,124	721,112	357,216	(54,749)	302,467
1983r	3,751,296	2,734,203	1,017,093	20,090	725,800	311,383	(190,906)	120,477
1984r	3,987,826	2,999,462	988,364	19,823	709,456	298,731	(329,240)	(30,509)
1985r	3,837,576	3,028,284	809,292	18,896	705,522	122,666	(20,292)	102,374
1986r	3,767,058	2,985,247	781,811	23,896	706,409	99,298	469,574	568,872
1987r	4,029,466	2,980,418	1,049,048	23,815	686,455	386,408	19,644	406,052
1988r	4,457,463	3,085,167	1,372,296	23,260	686,497	709,059	79,038	788,097
1989r	4,590,873	3,392,631	1,198,242	22,880	716,248	504,874	86,508	591,382
1990r	4,281,274	3,386,542	894,732	22,645	745,388	171,989	186,139	358,128
1991r	4,227,751	3,527,716	700,035	21,833	726,570	(4,702)	164,260	159,558
1992r	4,922,670	3,594,349	1,328,321	22,145	719,944	630,522	(159,317)	471,205
1993r	4,997,813	3,968,248	1,029,565	23,641	744,112	309,094	617,012	926,106
1994r	5,522,069	4,293,438	1,228,631	23,853	793,182	459,302	83,346	542,648
1995r	5,893,203	4,569,038	1,324,165	23,246	852,144	495,267	286,265	781,532
1996p	6,391,742	4,732,154	1,659,588	22,991	907,300	775,279	(162,020)	613,259

Note: Preliminary estimates for 1997 will be available mid-1998.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

Table 8 Current Value of Alberta Farm Capital and Value Per Acre of Farm Land and Buildings, 1971-1996

	Livestock & Poultry	Land & Buildings	Implements & Machinery	Total Farm Capital	Value of Farm Land & Buildings
	\$'000				\$/acre
1971	803,855	3,530,252	867,446	5,201,553	71
1972	1,016,172	4,143,591	905,851	6,065,614	84
1973	1,380,491	5,181,261	986,590	7,548,342	104
1974	1,366,308	6,975,770	1,275,851	9,617,929	140
1975	1,024,330	8,957,880	1,726,808	11,709,018	180
1976	1,125,454	10,627,528	2,110,053	13,863,035	213
1977	1,099,894	12,523,091	2,430,618	16,053,603	251
1978	1,710,604	14,942,972	2,791,088	19,444,664	299
1979	2,478,357	21,172,490	3,297,240	26,948,087	424
1980	2,551,751	27,137,589	3,842,797	33,532,137	544
1981	2,531,870	29,961,159	4,362,215	36,855,244	600
1982	2,558,146	29,682,516	4,846,335	37,086,997	592
1983	2,560,398	27,368,393	5,046,965	34,975,756	543
1984	2,589,885	24,966,230	5,079,298	32,635,413	493
1985	2,333,295	23,019,800	5,208,597	30,561,692	453
1986	2,374,889	20,773,520	5,382,284	28,530,693	407
1987	2,770,952	19,744,120	5,409,699	27,924,771	386
1988	2,973,711	19,159,142	5,523,028	27,655,881	374
1989	3,101,811	21,091,994	5,790,049	29,983,854	411
1990	3,140,342	22,169,169	6,124,676	31,434,187	432
1991	3,188,446	21,291,475	6,079,437	30,559,358	414
1992	3,164,829	20,312,067	5,980,050	29,456,946	395
1993r	3,818,132	20,169,883	6,204,420	30,192,435	392
1994r	4,329,496	21,440,586	6,618,801	32,388,883	416
1995r	3,831,969	23,927,694	7,056,043	34,815,706	463
1996p	3,273,754	26,966,511	7,440,226	37,680,491	511

Note: Preliminary estimates for 1997 will be available mid-1998.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

Table 9 Alberta Farm Operating Expenses and Depreciation, 1971-1996

	Net Property Taxes	Total Farm Rent	Total Wages, Room & Board	Net Interest Payments	Interest Rebates	Net Heating Fuel	Heating Fuel Rebates	Machine Repairs
\$'000								
1971	20,936	31,398	39,521	57,514	0	9,798	0	72,356
1972	23,196	34,478	41,811	70,065	0	10,080	0	84,371
1973	24,507	56,699	53,098	75,349	0	10,633	0	107,245
1974	21,448	56,497	64,985	117,257	0	11,646	0	136,637
1975	26,895	67,049	77,991	129,221	0	14,134	0	148,782
1976	31,318	75,224	81,670	159,442	0	16,396	0	156,722
1977	34,165	78,447	89,343	164,609	0	19,103	0	158,844
1978	38,471	100,190	97,410	208,174	0	22,106	0	168,257
1979	40,756	123,530	105,486	307,325	0	24,501	0	177,825
1980r	47,931	165,064	129,336	362,733	0	29,570	0	217,929
1981r	56,118	169,584	164,534	545,170	12,543	28,138	280	263,454
1982r	65,646	169,337	202,897	509,637	22,775	33,576	680	260,357
1983r	62,915	182,615	214,723	391,873	56,121	32,237	2,328	279,585
1984r	65,623	197,852	224,373	426,780	48,933	37,579	3,045	268,338
1985r	66,630	183,014	255,028	439,334	38,293	41,480	3,668	290,743
1986r	68,774	182,453	269,889	420,316	24,145	37,632	5,412	331,884
1987r	68,985	154,113	296,681	437,030	16,260	28,753	2,743	312,081
1988r	71,811	178,018	279,136	395,963	12,532	23,547	3,975	312,724
1989r	76,441	193,581	298,042	389,571	10,322	26,940	2,813	349,523
1990r	84,478	193,583	309,514	397,129	9,954	29,520	2,294	362,680
1991r	90,756	197,454	318,554	486,373	9,378	30,275	2,600	362,209
1992r	94,091	213,251	328,055	431,422	9,136	29,654	300	367,851
1993r	95,728	246,488	347,510	421,382	8,907	33,167	0	388,268
1994r	99,121	263,680	382,029	451,622	9,308	37,147	0	419,988
1995r	103,001	302,438	393,367	462,951	7,150	33,804	0	424,188
1996p	103,207	340,291	408,977	410,845	8,108	37,184	0	453,881

Note: Preliminary estimates for 1997 will be available mid-1998.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

Table 9 Alberta Farm Operating Expenses and Depreciation - Cont'd

	Net Machinery Fuel	Machinery Fuel Rebates	Net Fertilizer Purchases	Fertilizer Rebates	(1) Other Net Crop Expenses	Net Commercial Feed Purchases	Commercial Feed Rebates	Livestock Purchases
	Values							
1971	58,213	0	29,966	0	25,289	50,718	0	20,311
1972	60,870	0	33,330	0	28,684	57,142	0	32,304
1973	68,242	0	42,584	0	35,981	91,488	0	38,565
1974	81,066	0	63,663	0	55,696	131,322	0	46,183
1975	89,001	0	99,654	0	72,682	129,702	0	40,923
1976	105,899	809	107,156	0	78,978	143,334	0	64,224
1977	118,522	8,039	114,696	0	84,015	159,319	0	77,480
1978	126,876	8,416	142,352	0	106,392	146,208	0	111,959
1979	151,236	6,993	179,205	0	128,261	187,214	0	163,982
1980r	182,760	5,439	202,906	0	147,582	224,392	0	155,696
1981r	259,996	4,631	280,275	0	185,805	274,901	0	136,933
1982r	276,086	5,191	288,387	0	209,135	271,746	0	133,906
1983r	294,856	4,423	315,028	0	251,396	244,177	0	127,903
1984r	299,678	4,145	336,070	0	278,945	326,086	0	158,047
1985r	303,448	9,330	319,018	16,525	292,574	317,329	13,238	138,470
1986r	214,135	16,166	291,948	19,200	314,026	254,424	74,800	182,245
1987r	190,802	7,836	258,167	16,420	285,282	201,336	71,530	292,794
1988r	197,379	7,130	266,985	16,146	299,219	286,467	47,262	287,988
1989r	210,055	4,758	290,624	18,143	347,603	351,437	47,614	321,171
1990r	275,213	3,822	274,108	19,666	312,718	304,741	38,752	295,205
1991r	264,998	3,037	262,379	20,575	308,516	279,225	33,358	309,033
1992r	253,781	283	301,315	6,229	297,473	290,718	43,658	342,978
1993r	287,317	0	329,832	0	339,197	323,249	43,254	501,017
1994r	330,293	0	401,958	0	395,527	414,532	35,452	498,744
1995r	353,414	0	462,252	0	443,852	560,911	8,750	434,928
1996p	378,153	0	503,854	0	479,763	655,110	0	346,652

Note: Preliminary estimates for 1997 will be available mid-1998.

(1) Other Net Crop Expenses include pesticides, commercial seed, irrigation, crop and hail insurance and twine/wire/containers.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

Table 9 Alberta Farm Operating Expenses and Depreciation - Cont'd

	Repairs to Buildings & Fences	Electricity & Telephone	(2) Misc.	Operating Expenses After Rebates	Deprecia- tion on Buildings	Deprecia- tion on Machinery	Total Depreciation	Total Expenses After Rebates Including Depreciation
	\$'000							
1971	20,731	21,423	43,550	501,724	17,928	104,264	122,192	623,916
1972	25,891	22,899	49,478	574,599	20,712	108,816	129,528	704,127
1973	33,207	24,940	61,239	723,777	25,648	118,881	144,529	868,306
1974	42,633	26,632	73,403	929,068	33,788	155,133	188,921	1,117,989
1975	47,917	29,623	80,210	1,053,784	42,959	212,039	254,998	1,308,782
1976	54,395	33,995	98,282	1,207,035	50,142	262,757	312,899	1,519,934
1977	47,494	38,736	96,204	1,280,977	58,090	303,340	361,430	1,642,407
1978	48,874	42,323	103,011	1,462,603	67,739	348,741	416,480	1,879,083
1979	54,368	44,324	128,657	1,816,670	94,329	412,701	507,030	2,323,700
1980r	58,424	50,540	148,501	2,123,364	118,099	481,612	599,711	2,723,075
1981r	71,736	54,648	193,911	2,685,203	128,101	543,574	671,675	3,356,878
1982r	71,484	58,835	203,860	2,754,889	128,789	592,323	721,112	3,476,001
1983r	64,274	62,897	209,724	2,734,203	121,051	604,749	725,800	3,460,003
1984r	64,730	71,555	243,806	2,999,462	111,688	597,768	709,456	3,708,918
1985r	62,325	81,633	237,258	3,028,284	104,671	600,851	705,522	3,733,806
1986r	77,225	83,544	256,751	2,985,246	95,252	611,157	706,409	3,691,655
1987r	98,813	83,064	272,516	2,980,417	92,528	593,927	686,455	3,666,872
1988r	97,155	86,472	302,303	3,085,167	91,662	594,835	686,497	3,771,664
1989r	93,286	92,178	352,177	3,392,629	102,907	613,341	716,248	4,108,877
1990r	101,047	97,161	349,445	3,386,542	110,192	635,196	745,388	4,131,930
1991r	100,526	98,698	418,722	3,527,718	107,711	618,859	726,570	4,254,288
1992r	101,505	99,751	442,504	3,594,349	102,756	617,188	719,944	4,314,293
1993r	109,786	102,848	442,458	3,968,247	102,037	642,075	744,112	4,712,359
1994r	118,569	104,736	375,489	4,293,435	108,465	684,717	793,182	5,086,617
1995r	113,804	108,926	371,204	4,569,040	121,047	731,097	852,144	5,421,184
1996p	117,543	113,752	382,942	4,732,154	136,420	770,880	907,300	5,639,454

Note: Preliminary estimates for 1997 will be available mid-1998.

(2) Miscellaneous expenses include business insurance, custom work, stabilization premiums, artificial insemination and veterinary fees and other expenses.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development

Fig. 9 Selected Alberta Farm Operating Expenses, Annual Per Cent Change, 1993-1996

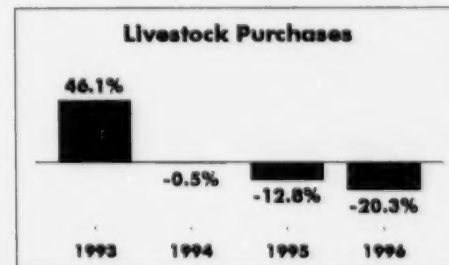
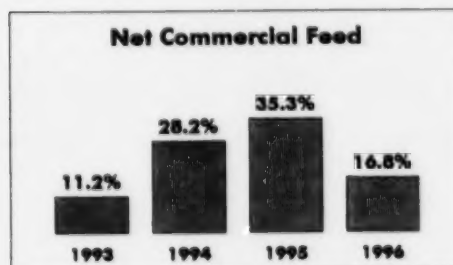
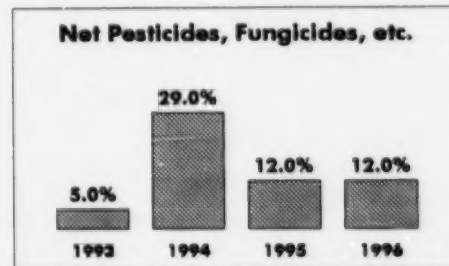
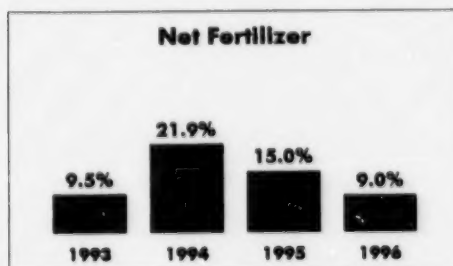
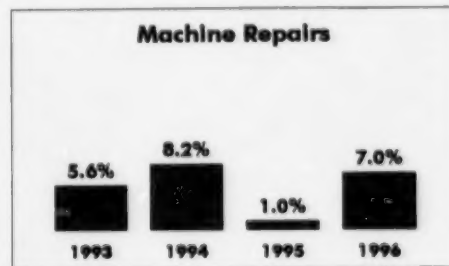
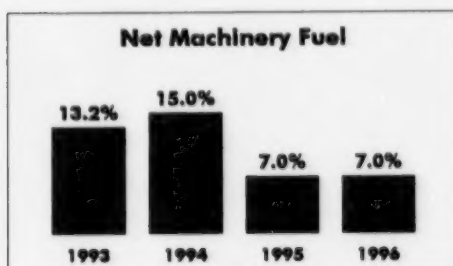
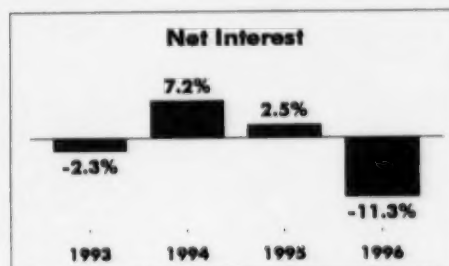
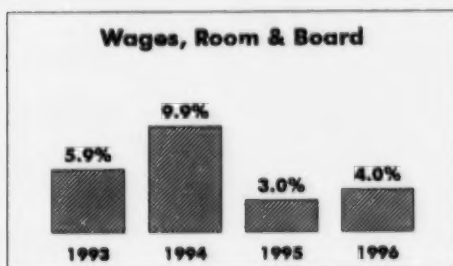
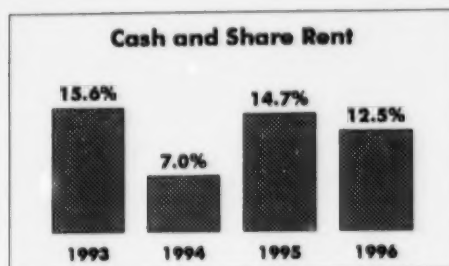
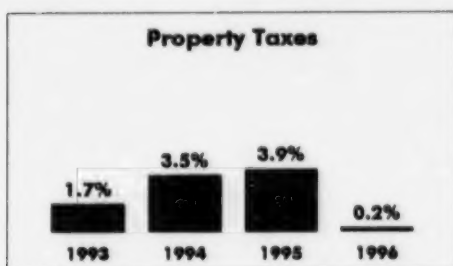


Table 10 Alberta Farm Debt Outstanding by Lender at December 31, 1971-1996

	Chartered Banks	(1) Federal Gov't Agencies	(2) Provincial Gov't Agencies	Credit Unions	Other (3)	Advance Payment Programs	Total Debt at Year End
	\$'000						
1971	353,000	334,001	57,955	27,321	160,321	14,487	947,085
1972	420,000	334,650	78,257	38,010	167,636	4,127	1,042,680
1973	563,000	354,902	149,748	50,385	171,046	2,253	1,291,334
1974	669,000	407,606	211,230	51,593	197,789	9,797	1,547,015
1975	741,000	461,544	239,568	77,420	244,870	11,017	1,775,419
1976	892,000	496,391	275,856	98,640	266,831	17,590	2,047,308
1977	971,000	531,145	299,875	135,177	296,271	15,988	2,249,456
1978	1,215,000	560,590	337,314	155,348	334,821	16,050	2,619,123
1979	1,490,000	603,692	406,967	204,830	355,300	6,633	3,067,422
1980	1,597,000	631,488	592,841	239,031	368,420	13,352	3,442,132
1981	1,728,000	676,816	863,637	247,693	547,281	41,712	4,105,139
1982	1,831,000	714,317	1,126,451	278,568	604,132	49,663	4,604,131
1983	1,982,000	850,768	1,280,262	196,894	691,725	39,253	5,040,902
1984	2,009,000	854,663	1,443,244	200,747	647,828	19,556	5,175,038
1985	2,085,000	835,701	1,568,392	200,747	616,483	46,964	5,353,287
1986	2,281,000	754,509	1,692,152	187,000	540,237	92,748	5,547,646
1987	2,353,990	663,140	1,698,125	181,000	513,730	81,298	5,491,283
1988	2,385,487	568,601	1,735,406	146,000	547,821	85,954	5,469,269
1989	2,611,875	487,126	1,899,786	176,000	547,821	21,397	5,744,005
1990	2,669,062	428,274	1,930,615	216,750	615,308	318,985	6,178,994
1991	2,868,250	409,507	1,994,467	222,000	615,308	291,912	6,401,444
1992	2,787,663	386,705	1,971,709	228,500	594,548	257,810	6,226,935
1993	2,957,253	370,798	1,974,000	236,000	576,623	244,935	6,359,609
1994	3,078,729	384,142	1,963,940	249,750	578,059	144,294	6,398,914
1995r	3,158,273	449,450	1,950,592	278,750	630,834	145,580	6,613,478
1996p	3,188,871	550,539	1,810,124	311,500	630,834	175,356	6,667,223

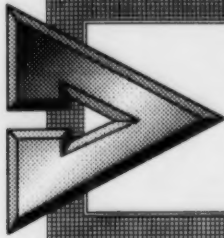
Note: Preliminary estimates for 1997 will be available mid-1998.

(1) Includes loans made through the Farm Credit Corporation, Federal Development Business Bank and under the Veterans Land Act.

(2) Includes loans made through Alberta Treasury Branches and the Alberta Agriculture Financial Services Corporation.

(3) Includes insurance, trust companies, supply companies, private individuals and others.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics" and Alberta Agriculture, Food and Rural Development



POPULATION AND ECONOMIC INDICATORS

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Table 11 Population of Canada and Provinces on July 1, 1984-1997

										Yukon/ NWT	Canada	
Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alberta	B.C.			
1984												
1984	581.8	127.0	879.6	723.4	6,654.7	9,206.2	1,074.1	1,018.6	2,398.6	2,960.6	77.2	25,701.8
1985	580.9	128.1	887.7	726.1	6,690.3	9,334.4	1,084.6	1,028.8	2,411.1	2,990.0	79.6	25,941.6
1986	578.1	128.8	892.1	727.7	6,733.8	9,477.2	1,094.0	1,032.9	2,438.7	3,020.4	80.2	26,203.8
1987	576.5	129.0	896.3	730.5	6,805.9	9,684.9	1,100.5	1,036.4	2,443.5	3,064.6	81.7	26,549.7
1988	576.2	129.7	900.2	733.1	6,860.4	9,884.4	1,104.7	1,031.7	2,463.0	3,128.2	83.2	26,894.8
1989	577.4	130.6	906.7	738.0	6,948.0	10,151.0	1,106.2	1,023.0	2,504.3	3,209.2	84.9	27,379.3
1990	578.9	131.0	912.5	743.0	7,020.7	10,341.4	1,108.4	1,010.8	2,556.4	3,300.1	87.4	27,790.6
1991	580.3	130.8	917.9	748.5	7,080.6	10,471.5	1,112.5	1,006.3	2,601.3	3,379.8	90.4	28,120.1
1992	583.4	131.6	924.6	753.0	7,161.2	10,646.4	1,117.6	1,008.0	2,646.8	3,476.9	92.9	28,542.2
1993	584.2	132.9	930.9	755.5	7,238.3	10,814.1	1,123.7	1,010.2	2,686.9	3,575.6	94.2	28,946.8
1994	581.8	134.3	934.7	757.7	7,287.8	10,936.5	1,128.6	1,011.3	2,717.2	3,671.1	94.7	29,255.6
1995r	577.5	135.4	938.5	759.9	7,341.3	11,098.1	1,135.6	1,015.2	2,753.3	3,766.2	96.6	29,617.4
1996r	571.7	136.7	943.2	762.0	7,388.0	11,258.4	1,140.4	1,019.6	2,793.3	3,857.6	98.2	29,969.2
1997	563.6	137.2	947.9	762.0	7,419.9	11,407.7	1,145.2	1,023.5	2,847.0	3,933.3	99.1	30,286.6
Per Cent Share of Canada Population in 1997												
1.9	0.5	3.1	2.5	24.5	37.7	3.8	3.4	9.4	13.0	0.3	100.0	

Note: 1995 and 1996 data are updated postcensal estimates; 1997 data are preliminary postcensal estimates.
Above estimates do not take into account results from the 1996 Census of Population.

Source: Statistics Canada Cat. No. 91-002-XPB, "Quarterly Demographic Statistics"

Table 12 Alberta Urban, Rural and Farm Population (1), June, 1971-1996

	Total Population	Total Urban (2)	Total Rural (3)	Farm Population (4)			Total Non-Farm
				Total	Rural	Urban	
1971	1,627,875	1,196,250	431,615	237,924	236,025	1,899	1,389,941
1976	1,838,035	1,379,170	458,870	219,305	217,915	1,390	1,618,735
1981	2,237,724	1,727,545	510,179	195,284	190,755	4,529	2,042,440
1986 (5)	2,365,830	1,877,760	488,070	183,835	178,115	5,720	2,181,995
1991 (5)	2,545,555	2,030,895	514,660	177,190	171,860	5,335	2,368,365
1996 (5)	2,696,826	2,142,815	554,011	(6)	(6)	(6)	(6)

(1) Data are from the Census of Population conducted in the beginning of June (1996 Census conducted on May 14, 1996)

(2) Refers to persons living in a continuously built-up area having a population concentration of 1,000 or more and a population density of 400 or more per square kilometre based on the previous census.

(3) Refers to all persons living outside urban areas.

(4) Refers to all persons living in rural and urban areas who are members of the households of farm operators living on their farms for a length of time during the twelve-month period prior to the census.

(5) Excludes incompletely enumerated Indian Reserves.

(6) Data available end of 1998.

Source: Statistics Canada, Census of Population

Table 13 Canada and United States Interest Rates and Exchange Rate, 1971-1997

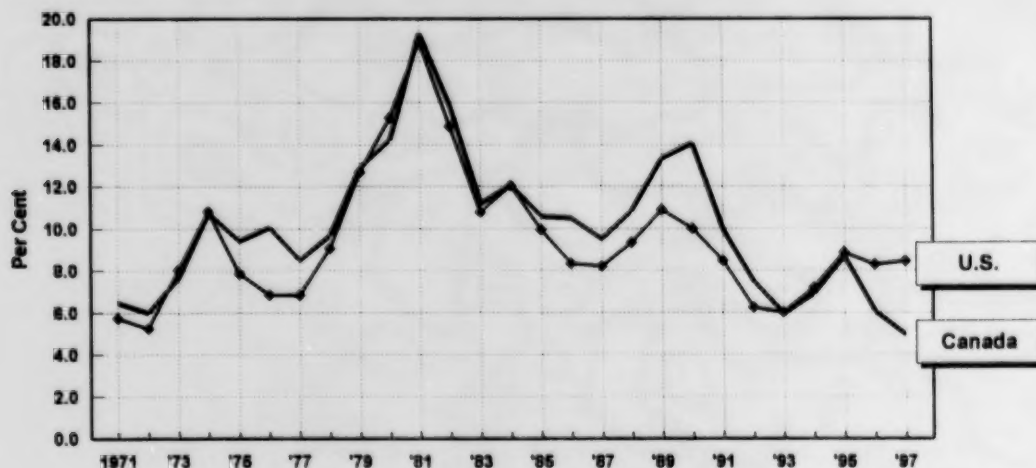
	Canada Bank Rate	Canada Prime Rate	U.S. Prime Rate	U.S. Dollar - Canada \$ per Unit	Canada Dollar in U.S. Funds
1971	5.19	6.48	5.73	1.0100	0.9901
1972	4.75	6.00	5.25	0.9910	1.0091
1973	6.13	7.65	8.03	1.0000	1.0000
1974	8.50	10.75	10.81	0.9780	1.0225
1975	8.50	9.42	7.86	1.0170	0.9833
1976	9.29	10.04	6.84	0.9860	1.0142
1977	7.71	8.50	6.83	1.0630	0.9407
1978	8.98	9.69	9.06	1.1410	0.8764
1979	12.10	12.90	12.67	1.1710	0.8540
1980	12.89	14.25	15.26	1.1690	0.8554
1981	17.93	19.29	18.87	1.1990	0.8340
1982	13.96	15.81	14.85	1.2341	0.8103
1983	9.55	11.17	10.79	1.2324	0.8114
1984	11.31	12.06	12.04	1.2948	0.7723
1985	9.65	10.58	9.93	1.3652	0.7325
1986	9.21	10.52	8.33	1.3894	0.7197
1987	8.40	9.52	8.21	1.3260	0.7541
1988	9.69	10.83	9.32	1.2309	0.8124
1989	12.29	13.33	10.87	1.1842	0.8445
1990	13.05	14.06	10.01	1.1668	0.8570
1991	9.03	9.94	8.46	1.1458	0.8728
1992	6.78	7.48	6.25	1.2083	0.8276
1993	5.09	5.94	6.00	1.2898	0.7753
1994	5.77	6.88	7.15	1.3659	0.7321
1995	7.31	8.65	8.83	1.3726	0.7285
1996	4.53	6.06	8.27	1.3636	0.7334
1997	3.52	4.96	8.44	1.3847	0.7222

Note: The Bank Rate is the minimum rate at which the Bank of Canada makes short-term advances to the chartered banks.

The Canada Prime Rate or the Chartered Bank Rate on Prime Business Loans is the rate charged to the most credit-worthy borrowers.

Source: Bank of Canada Review and United States Federal Reserve

Fig. 10 Prime Interest Rates for Canada and United States, 1971-1997



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TWICE IN ORDER TO OBTAIN THE BEST
REPRODUCTIVE QUALITY**

**USERS SHOULD CONSULT ALL THE PAGES
REPRODUCED ON THE FICHE IN ORDER TO OBTAIN
A COMPLETE READING OF THE TEXT.**

REMARQUE IMPORTANTE CONCERNANT LES PAGES QUI SUIVENT

**LES PAGES SUIVANTES ONT ÉTÉ REPRODUITES EN
DOUBLE AFIN D'AMÉLIORER LA QUALITÉ DE
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**LES UTILISATEURS DOIVENT CONSULTER TOUTES
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D'OBTENIR LA LECTURE DU TEXTE INTÉGRAL**

Table 14 Gross Domestic Product (GDP) at Factor Cost in Constant (1986) Dollars by Industry, Alberta and Canada, 1995 and 1996

	Alberta				Canada			
	1995r	1996p	% Chg.	% of Total	1995r	1996p	% Chg.	% of Total
Goods Producing Industries	31,591.0	32,681.0	3.5	44.4	184,996.4	187,246.1	1.2	34.0
Primary Agriculture	2,755.0	2,779.0	0.9	3.8	11,441.0	11,876.7	3.8	2.2
Fishing and Trapping	6.0	6.0	*	0.0	817.8	786.4	-3.8	0.1
Logging and Forestry (1)	201.0	246.0	22.4	0.3	2,759.4	2,660.5	-3.6	0.5
Mining, Quarrying and Oil Wells	14,704.0	15,370.0	4.5	20.9	23,604.4	24,404.1	3.4	4.4
Manufacturing	6,879.0	7,350.0	6.8	10.0	102,333.6	103,643.3	1.3	18.8
Food	754.0	799.0	6.0	1.1	10,228.3	10,551.4	3.2	1.9
Beverage	152.0	159.0	4.6	0.2	2,505.4	2,453.2	-2.1	0.4
Refined Petroleum and Coal Prod.	682.0	749.0	9.8	1.0	2,118.7	2,233.5	5.4	0.4
Chemical and Chemical Products	1,484.0	1,490.0	0.4	2.0	8,092.2	8,167.1	0.9	1.5
Other Manufacturing Industries	3,807.0	4,153.0	9.1	5.6	79,389.0	80,238.1	1.1	14.6
Construction	4,357.0	4,108.0	-5.7	5.6	27,221.2	26,680.3	-2.0	4.8
Utilities	2,689.0	2,822.0	4.9	3.8	16,819.0	17,194.8	2.2	3.1
Services Producing Industries	39,427.0	40,751.0	3.4	55.4	357,008.3	363,779.2	1.9	66.0
Transportation, Storage and Comm.	6,194.0	6,348.0	2.5	8.6	46,764.7	48,605.0	3.9	8.8
Retail and Wholesale Trade	6,418.0	6,706.0	4.5	9.1	65,493.2	67,198.5	2.6	12.2
Finance, Insurance and Real Estate	11,574.0	12,421.0	7.3	16.9	85,659.5	88,628.8	3.5	16.1
Services	12,245.0	12,395.0	1.2	16.8	126,400.7	127,986.3	1.3	23.2
Public Administration (2)	2,996.0	2,881.0	-3.8	3.9	32,690.1	31,360.6	-4.1	5.7
Total Gross Domestic Product (3)	71,100.0	73,614.0	3.5	100.0	542,004.7	551,025.3	1.7	100.0
Agri-Food Industries	3,661.0	3,737.0	2.1	5.1	24,174.7	24,881.3	2.9	4.5
Primary Agriculture	2,755.0	2,779.0	0.9	3.8	11,441.0	11,876.7	3.8	2.2
Food and Beverage Manufacturing	906.0	958.0	5.7	1.3	12,733.7	13,004.6	2.1	2.4

(1) Includes logging and services incidental to forestry; excludes paper and allied products, wood, etc. (included in manufacturing).

(2) Includes federal, provincial and local government administration; excludes public schools and hospitals (included in services).

(3) Gross Domestic Product is the difference between gross output of an industry and the purchase of intermediate goods and services. GDP of an industry is the value added by labour and capital in transforming inputs purchased from other industries into output. This allows the measurement and comparison of economic activity on an industry by industry basis.

GDP estimates presented in this publication are at factor cost which measures the income accruing to the factors of production (land, labour and capital). GDP at factor cost is derived from GDP at Market Prices by subtracting indirect taxes less subsidies. In order to eliminate the influence of inflation, GDP is measured in 1986 constant dollars.

Due to data limitations, GDP estimates for agri-food industries exclude: (1) firms that supply certain inputs (2) specified services to agriculture and (3) related downstream industries. Examples of excluded inputs and services are: dealers of fertilizers, agricultural machinery, pesticides and seed; farm lenders; accountant services; for-hire transport; utilities; and firms involved in packaging materials. The exclusion of these types of inputs and services implies that GDP for the agri-food sector and its share of the economy is underestimated. However, it should be noted that the activities that are included represent the bulk of agri-food activity. If all activities could be measured, the contribution of the agri-food sector to the total economy would be greater.

Source: Alberta: Alberta Treasury, Statistics

Canada: Statistics Canada Cat. No. 15-203, "Provincial Gross Domestic Product by Industry"

Table 14 Gross Domestic Product (GDP) at Factor Cost in Constant (1986) Dollars by Industry, Alberta and Canada, 1995 and 1996

	Alberta				Canada			
	1995r	1996p	% Chg.	% of Total	1995r	1996p	% Chg.	% of Total
Goods Producing Industries	31,591.0	32,681.0	3.5	44.4	184,996.4	187,246.1	1.2	34.0
Primary Agriculture	2,755.0	2,779.0	0.9	3.8	11,441.0	11,876.7	3.8	2.2
Fishing and Trapping	6.0	6.0	*	0.0	817.8	786.4	-3.8	0.1
Logging and Forestry (1)	201.0	246.0	22.4	0.3	2,759.4	2,660.5	-3.6	0.5
Mining, Quarrying and Oil Wells	14,704.0	15,370.0	4.5	20.9	23,604.4	24,404.1	3.4	4.4
Manufacturing	6,879.0	7,350.0	6.8	10.0	102,333.6	103,643.3	1.3	18.8
Food	754.0	799.0	6.0	1.1	10,228.3	10,551.4	3.2	1.9
Beverage	152.0	159.0	4.6	0.2	2,505.4	2,453.2	-2.1	0.4
Refined Petroleum and Coal Prod.	682.0	749.0	9.8	1.0	2,118.7	2,233.5	5.4	0.4
Chemical and Chemical Products	1,484.0	1,490.0	0.4	2.0	8,092.2	8,167.1	0.9	1.5
Other Manufacturing Industries	3,807.0	4,153.0	9.1	5.6	79,389.0	80,238.1	1.1	14.6
Construction	4,357.0	4,108.0	-5.7	5.6	27,221.2	26,680.3	-2.0	4.8
Utilities	2,689.0	2,822.0	4.9	3.8	16,819.0	17,194.8	2.2	3.1
Services Producing Industries	39,427.0	40,751.0	3.4	55.4	357,008.3	363,779.2	1.9	66.0
Transportation, Storage and Comm.	6,194.0	6,348.0	2.5	8.6	46,764.7	48,605.0	3.9	8.8
Retail and Wholesale Trade	6,418.0	6,706.0	4.5	9.1	65,493.2	67,198.5	2.6	12.2
Finance, Insurance and Real Estate	11,574.0	12,421.0	7.3	16.9	85,659.5	88,628.8	3.5	16.1
Services	12,245.0	12,395.0	1.2	16.8	126,400.7	127,986.3	1.3	23.2
Public Administration (2)	2,996.0	2,881.0	-3.8	3.9	32,690.1	31,360.6	-4.1	5.7
Total Gross Domestic Product (3)	71,100.0	73,614.0	3.5	100.0	542,004.7	551,025.3	1.7	100.0
Agri-Food Industries	3,661.0	3,737.0	2.1	5.1	24,174.7	24,881.3	2.9	4.5
Primary Agriculture	2,755.0	2,779.0	0.9	3.8	11,441.0	11,876.7	3.8	2.2
Food and Beverage Manufacturing	906.0	958.0	5.7	1.3	12,733.7	13,004.6	2.1	2.4

(1) Includes logging and services incidental to forestry; excludes paper and allied products, wood, etc. (included in manufacturing).

(2) Includes federal, provincial and local government administration; excludes public schools and hospitals (included in services).

(3) Gross Domestic Product is the difference between gross output of an industry and the purchase of intermediate goods and services. GDP of an industry is the value added by labour and capital in transforming inputs purchased from other industries into output. This allows the measurement and comparison of economic activity on an industry by industry basis.

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Due to data limitations, GDP estimates for agri-food industries exclude: (1) firms that supply certain inputs (2) specified services to agriculture and (3) related downstream industries. Examples of excluded inputs and services are: dealers of fertilizers, agricultural machinery, pesticides and seed; farm lenders; accountant services; for-hire transport; utilities; and firms involved in packaging materials. The exclusion of these types of inputs and services implies that GDP for the agri-food sector and its share of the economy is underestimated. However, it should be noted that the activities that are included represent the bulk of agri-food activity. If all activities could be measured, the contribution of the agri-food sector to the total economy would be greater.

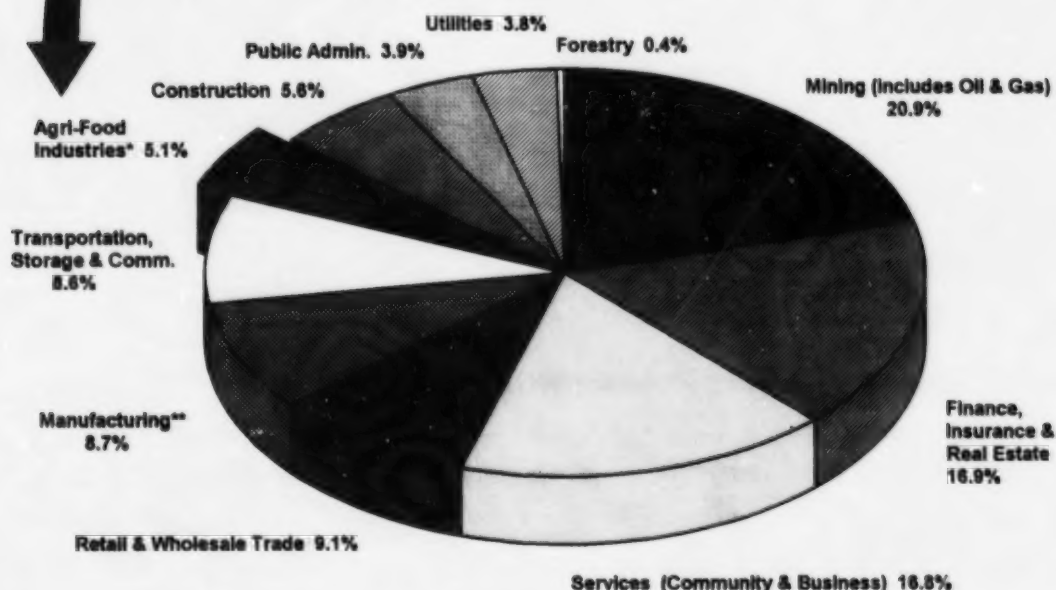
Source: Alberta: Alberta Treasury, Statistics

Canada: Statistics Canada Cat. No. 15-203, "Provincial Gross Domestic Product by Industry"

Fig. 11 Distribution of 1996 Alberta Gross Domestic Product at Factor Cost by Industry

In 1996, Alberta's agri-food industries contributed \$3.7 billion or 5.1 per cent to the province's total economic activity as measured by the gross domestic product (in constant 1986 dollars). In comparison, the mining sector, which includes oil and gas, remains Alberta's largest industry, accounting for \$15.4 billion or 20.9 per cent.

Following a 5.6% gain in 1995, GDP for agri-food industries grew another 2.1% in 1996. The gain was mainly attributable to a 5.7% increase in food and beverage manufacturing industries (\$958 million). At \$2.8 billion, primary agriculture reported a much smaller gain of 0.9% in 1996, significantly smaller than the 7.1% increase reported in the previous year.



1996 Total GDP in Constant (1986) Dollars: \$73.6 Billion

* Agri-Food Industries include primary agriculture plus food and beverage manufacturing industries.

** Manufacturing excludes food and beverage industries.

Table 15 Alberta Gross Domestic Product (GDP) at Factor Cost for Agri-Food Industries, 1984-1996

	Nominal Dollars (or "Current Dollars")				Constant (1986) Dollars (or "Real Dollars")					
	Primary Agriculture	Food and Beverage Manufacturing			Total Agri- Food	Primary Agriculture	Food and Beverage Manufacturing			Total Agri- Food
		Food	Bev.	Total			Food	Bev.	Total	
\$ Millions										
1984	1,558	516	139	655	2,213	1,437	558	153	711	2,148
1985	1,817	492	126	618	2,435	1,451	504	137	641	2,092
1986	2,137	505	127	632	2,769	2,137	505	127	632	2,769
1987	1,848	606	132	738	2,586	1,947	550	131	681	2,628
1988	2,361	618	158	776	3,137	2,090	524	145	669	2,759
1989	1,930	591	123	714	2,644	2,012	501	117	618	2,630
1990	1,723	663	147	810	2,533	2,257	544	141	685	2,942
1991r	1,810	813	172	985	2,795	2,362	584	147	731	3,093
1992r	1,959	830	185	1,015	2,974	2,156	540	137	677	2,833
1993r	1,862	922	206	1,128	2,990	2,667	624	163	787	3,454
1994r	1,867	1,123	199	1,322	3,189	2,572	738	156	894	3,466
1995r	2,082	1,179	197	1,376	3,458	2,755	754	152	906	3,661
1996p	2,165	1,299	212	1,511	3,676	2,779	799	159	958	3,736

Source: Alberta Treasury, Statistics

Fig. 12 Gross Domestic Product in Constant (1986) Dollars, Annual Per Cent Change, 1992-1996

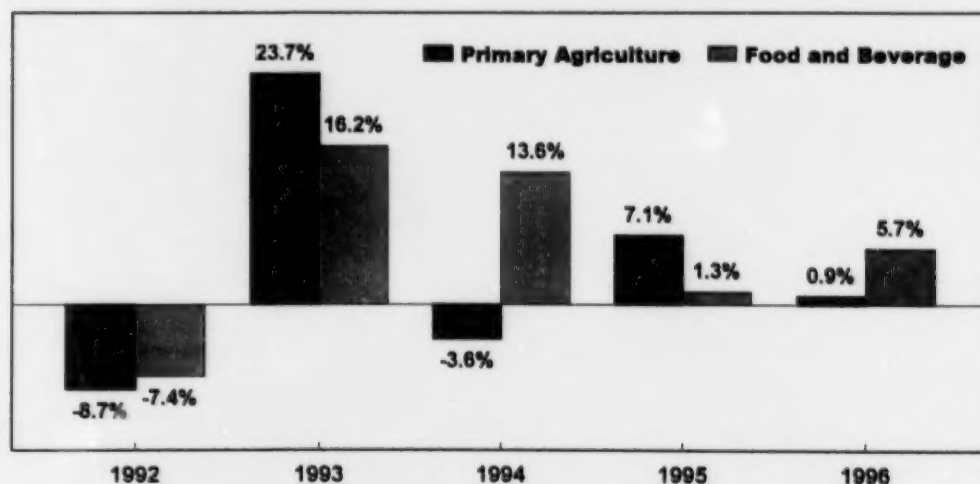


Table 16 All-Items Consumer Price Index (CPI) (1992=100), Canada, Alberta, Edmonton and Calgary, 1960-1997 (1)

	Canada	% Chg.	Alberta	% Chg.	Edmonton	% Chg.	Calgary	% Chg.
1960	18.5	1.1	-	-	-	-	-	-
1961	18.7	1.1	-	-	-	-	-	-
1962	18.9	1.1	-	-	-	-	-	-
1963	19.2	1.6	-	-	-	-	-	-
1964	19.6	2.1	-	-	-	-	-	-
1965	20.0	2.0	-	-	-	-	-	-
1966	20.8	4.0	-	-	-	-	-	-
1967	21.5	3.4	-	-	-	-	-	-
1968	22.4	4.2	-	-	-	-	-	-
1969	23.4	4.5	-	-	-	-	-	-
1970	24.2	3.4	-	-	-	-	-	-
1971	24.9	2.9	-	-	25.8	-	26.2	-
1972	26.1	4.8	-	-	27.0	4.7	27.3	4.2
1973	28.1	7.7	-	-	29.1	7.8	29.2	7.0
1974	31.1	10.7	-	-	32.0	10.0	32.2	10.3
1975	34.5	10.9	-	-	35.5	10.9	35.8	11.2
1976	37.1	7.5	-	-	38.4	8.2	38.8	8.4
1977	40.0	7.8	-	-	41.9	9.1	42.1	8.5
1978	43.6	9.0	-	-	45.6	8.8	45.6	8.3
1979	47.6	9.2	49.7	-	49.7	9.0	49.6	8.8
1980	52.4	10.1	54.7	10.1	54.7	10.1	54.7	10.3
1981	58.9	12.4	61.8	13.0	61.6	12.6	62.0	13.3
1982	65.3	10.9	68.8	11.3	68.2	10.7	69.4	11.9
1983	69.1	5.8	72.3	5.1	72.2	5.9	72.5	4.5
1984	72.1	4.3	74.3	2.8	74.2	2.8	74.4	2.6
1985	75.0	4.0	76.5	3.0	76.4	3.0	76.5	2.8
1986	78.1	4.1	79.1	3.4	79.0	3.4	79.2	3.5
1987	81.5	4.4	82.3	4.0	82.3	4.2	82.2	3.8
1988	84.8	4.0	84.5	2.7	84.6	2.8	84.4	2.7
1989	89.0	5.0	88.1	4.3	88.3	4.4	87.7	3.9
1990	93.3	4.8	93.1	5.7	93.0	5.3	93.1	6.2
1991	98.5	5.6	98.5	5.8	98.2	5.6	98.7	6.0
1992	100.0	1.5	100.0	1.5	100.0	1.8	100.0	1.3
1993	101.8	1.8	101.2	1.2	100.8	0.8	101.3	1.3
1994	102.0	0.2	102.6	1.4	102.4	1.6	102.8	1.5
1995	104.2	2.2	105.0	2.3	104.5	2.1	105.1	2.2
1996	105.9	1.6	107.3	2.2	106.8	2.2	107.4	2.2
1997	107.6	1.6	109.5	2.1	108.7	1.8	109.7	2.1

(1) The official CPI time base was changed from 1986=100 to 1992=100 commencing with the CPI for January, 1998. The change is strictly arithmetic altering the previous index levels but leaving the percentage changes between any two periods intact, except for differences in rounding.

Source: Statistics Canada Cat. No. 62-001, "The Consumer Price Index"

Fig. 13 Canada All-Items Consumer Price Index - Annual Per Cent Change, 1980-1997

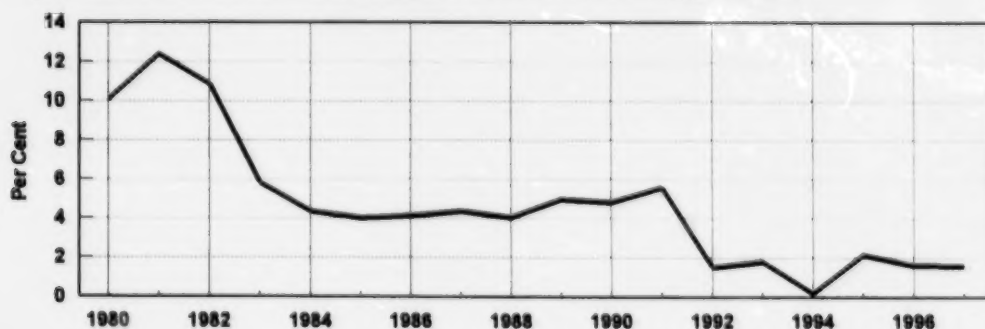


Table 17 Farm Input Price Index (FIPI) (1986=100), Alberta and Canada, 1995-1997

	Alberta				Canada			
	1995	1996	1997p	% Chg. 1997/96	1995	1996	1997p	% Chg. 1997/96
Total Farm Inputs	120.3	124.0	128.7	3.8	121.7	128.2	130.2	1.4
Building and Fencing	115.9	118.8	121.2	2.0	129.2	132.2	135.9	2.8
Building Replacement	117.2	119.8	122.6	2.3	131.4	134.6	138.7	3.0
Building Repairs	108.1	111.6	115.3	3.3	126.4	129.4	132.8	2.6
Fencing	130.2	132.6	129.9	-2.0	127.9	130.1	131.4	1.0
Machinery and Motor Vehicles	131.5	137.3	142.0	3.4	129.8	135.0	139.2	3.2
Machinery Replacement	119.2	125.1	131.6	5.2	129.1	134.0	138.9	3.7
Power Machinery	120.4	126.6	133.4	5.4	128.1	133.1	138.0	3.7
Tractors	120.7	127.1	132.9	4.6	123.5	128.5	133.0	3.9
Combines	119.8	125.4	134.3	7.1	138.9	144.2	150.1	4.1
Windrower (s.p.)	120.7	127.8	132.5	3.7	122.5	126.9	130.1	2.5
Non-Power Machinery	115.6	120.6	126.4	4.8	131.8	136.2	141.2	3.7
Ploughs	156.1	158.9	170.2	7.1	146.2	152.1	159.7	5.2
Disc Harrow	112.3	118.5	126.8	7.0	116.4	121.2	126.5	4.4
Cultivator	109.9	119.5	128.5	7.5	127.0	132.2	137.8	4.3
Grain Seeder	98.0	99.7	103.5	3.8	126.2	130.1	135.9	4.5
Manure Spreaders	126.2	129.4	136.5	5.5	134.9	138.9	143.4	3.2
Sprayer	109.4	114.9	118.5	3.1	128.1	132.6	136.3	2.8
Mower - cond.	108.3	111.9	116.0	3.7	150.9	153.8	158.6	3.2
Windrower (pull)	120.9	126.4	131.2	3.8	126.6	131.3	136.2	3.7
Balers	129.0	135.6	141.6	4.4	130.5	134.5	138.2	2.8
Motor Vehicles Replacement	183.0	191.3	197.1	3.0	159.1	167.5	172.2	2.8
Automobiles	133.6	140.0	142.2	1.6	136.1	142.5	144.8	1.6
Trucks	x	x	x	x	167.4	176.6	182.1	3.1
Machinery/Motor Vehicle Op.	132.9	138.0	140.7	2.0	126.0	131.2	134.5	2.5
Petroleum Products	128.8	135.3	137.5	1.6	107.8	114.1	117.5	3.0
Gasoline	152.8	160.8	163.4	1.6	120.9	128.1	131.3	2.5
Diesel Fuel	108.7	115.4	117.8	2.1	92.4	99.2	103.4	4.3
Maintenance	131.6	135.0	138.4	2.5	137.9	141.6	144.7	2.3
Licences	144.7	144.7	144.7	0.0	133.7	138.0	138.4	0.3
Motor Vehicle Insurance	x	x	x	x	177.9	186.6	195.5	4.8
Crop Production	125.4	138.0	137.4	-0.4	122.1	130.8	130.6	-0.2
Seed	106.6	129.3	129.7	0.3	115.3	124.8	125.1	0.2
Grains and Oils	106.2	130.6	129.7	-0.7	110.9	122.7	121.7	-0.8
Legume and Grass	110.7	113.4	130.2	14.8	124.4	131.0	151.6	15.7
Potatoes	x	x	x	x	138.1	132.6	116.0	-12.4
Fertilizer	143.9	151.8	139.5	-8.1	128.2	136.4	128.7	-5.6
Nitrogen Fertilizer	154.0	163.6	148.8	-9.0	129.9	138.3	128.8	-6.9
Phosphate Fertilizer	130.9	136.7	127.1	-7.0	122.2	132.3	124.4	-6.1
Potassium Fertilizer	108.2	109.7	110.4	0.6	137.5	139.5	140.2	0.5

Source: Statistics Canada Cat. No. 62-004, "Farm Input Price Index"

Table 17 Farm Input Price Index (FIPI) (1986=100), Alberta and Canada - Cont'd

	Alberta				Canada			
	1995	1996	1997p	% Chg. 1997/96	1995	1996	1997p	% Chg. 1997/96
Pesticides	120.2	123.3	126.0	2.2	121.3	124.8	127.4	2.1
Herbicides	120.2	123.9	127.1	2.6	120.5	124.1	127.4	2.7
Insecticides	120.0	122.0	123.6	1.3	117.7	121.9	124.5	2.1
Fungicides	x	x	x	x	129.4	131.3	131.8	0.4
Twine	132.6	139.1	142.3	2.3	127.0	134.6	137.5	2.2
Crop Insurance	92.4	126.1	153.4	21.6	108.1	129.2	150.1	16.2
Animal Production	111.2	109.1	123.0	12.7	113.9	122.2	128.1	4.8
Feeder Livestock	108.6	90.2	117.3	30.0	109.1	97.5	118.3	21.3
Cattle	110.6	88.6	118.2	33.4	112.6	89.7	116.6	30.0
Hogs	81.5	100.1	102.3	2.2	92.4	116.6	120.2	3.1
Poultry	125.1	138.3	137.2	-0.8	126.1	140.8	138.2	-1.8
Chicks - Egg Producing	108.5	114.4	118.2	3.3	114.8	124.9	124.7	-0.2
Chicks - Broiler	134.9	155.0	149.2	-3.7	130.2	148.8	143.7	-3.4
Turkey Poults	x	x	x	x	125.1	129.4	133.7	3.3
Feed	111.2	133.8	127.8	-4.5	114.8	143.7	134.8	-6.2
Prepared Feed	110.3	132.7	127.6	-3.8	112.2	139.5	134.9	-3.3
Grain Feed	139.8	167.2	135.2	-19.1	135.0	175.9	133.7	-24.0
Artificial Insemination	x	x	x	x	161.5	154.1	166.3	7.9
Veterinary Services	158.3	164.8	167.9	1.9	160.2	165.6	168.9	2.0
Supplies and Services	117.9	124.1	126.1	1.6	125.1	129.9	131.8	1.5
Small Tools	107.9	110.3	110.1	-0.2	114.0	115.8	115.5	-0.3
Electricity	134.4	140.2	142.0	1.3	150.6	154.2	154.3	0.1
Telephone	84.0	90.6	91.7	1.2	95.2	99.4	101.7	2.3
Custom Work	124.2	129.8	135.2	4.2	128.3	133.7	137.9	3.1
Heating Fuel	122.3	132.9	136.9	3.0	100.2	108.7	113.2	4.1
Hired Farm Labour	134.2	139.1	147.5	6.0	137.7	142.9	147.2	3.0
Property Taxes	138.6	137.1	139.8	2.0	140.5	143.7	148.9	3.6
Interest	99.4	96.6	84.5	-12.5	100.9	100.6	87.8	-12.7
Non-Mortgage	92.4	89.0	72.5	-18.5	98.0	97.0	79.4	-18.1
Mortgage	113.1	111.6	108.2	-3.0	107.5	109.1	107.0	-1.9
Farm Rent	127.4	144.1	140.7	-2.4	128.2	145.4	142.8	-1.8

Note: The Farm Input Price Index (FIPI) measures the price changes of a basket of goods and services purchased by farmers for use in agricultural production. The basket is made up of the inputs bought in 1986. The index is calculated by comparing current prices for those inputs to the average of their prices in 1986. Since the basket is fixed over time, users are advised that the index cannot measure changes in production costs due to changes in the mix of inputs used, or changes in productivity. The FIPI is useful in transforming current dollar farm expenditures into constant dollars which are an important component of analytical studies and econometric modelling. The FIPI is also used to monitor price changes which are considered in the operations of marketing boards and in price stabilization programs.

Source: Statistics Canada Cat. No. 62-004, "Farm Input Price Index"

Table 18 Average Farm Input Prices, Alberta, 1993-1997

Item	Specifications	1993	1994	1995	1996	1997
		dollars				
Lumber.....	2x6 Spruce, M	512.42	634.36	578.17	611.25	722.88
Sheathing Plywood.....	Spruce, 3/8", 4'x8' Sheet	13.39	14.24	14.35	14.22	15.33
Cement.....	40 kg	8.39	8.44	8.53	8.59	8.61
Barn Paint, Oil Base.....	20 litres	68.78	64.98	65.81	66.25	69.11
Pipe, Plastic.....	3/4", 75 PSI., 100' Coil	23.34	22.34	23.57	24.26	25.38
Rods, Re-Enforcing.....	1/2", 6 metres	3.08	3.70	4.22	4.27	4.20
Barbed Wire.....	12 Gauge, Double Strand	37.51	39.18	40.96	42.32	41.82
Truck Tires.....	1st Line, P235-75R, each	121.38	120.67	119.97	120.08	117.35
Battery.....	525 Cranking Amps	72.52	72.26	70.42	72.92	74.03
V-Belt.....	1/2" x 70", each	10.04	10.28	10.35	9.86	9.36
Antifreeze.....	4 litres	5.93	6.26	8.37	8.56	8.40
Baler Twine.....	Sisal 9000'	26.18	27.84	31.03	32.84	33.75
Mechanical Repairs.....	rate per hour	43.33	44.16	45.70	46.89	49.54
Farm Labour, W/O Board.....	rate per month	1,292.52	1,384.61	1,435.11	1,575.87	1,628.95
Tractor.....	100HP/UP	66,477.06	67,052.73	68,913.67	70,192.21	74,153.28
Tractor.....	170HP/UP	113,439.18	121,948.27	126,251.82	128,361.71	138,223.20
Combines.....	Self-Prop.	143,562.65	162,585.45	176,654.08	180,072.94	183,803.50
Chisel Plow.....	23'-27'	17,286.21	18,339.75	18,690.80	19,611.55	21,144.23
Round Baler.....	Pull Type	24,010.71	26,212.02	27,813.33	28,572.60	29,948.82
Double Disc.....	Heavy Duty 19'-21'	19,858.03	20,897.56	21,572.59	22,420.61	22,814.91
Truck, 1/2 Ton.....	Ford/Chev	16,542.81	17,509.71	18,571.78	19,656.84	21,171.30
Calf Starter Supp.....	(20-24%), 25 kg	8.55	8.87	8.89	10.11	10.36
Dairy Supp.....	(32%), 25 kg	9.98	10.13	9.94	10.81	11.79
Hog Supp.....	(40%), 25 kg	11.46	12.13	11.67	12.72	13.97
Broiler Grower.....	(18-20%), 25 kg	8.22	8.11	8.28	8.97	9.43
Cattle Mineral.....	25 kg	17.55	17.01	17.06	18.07	18.59
Feed Barley, No. 1.....	Farm Gate, per bushel	1.54	1.63	2.43	3.03	2.38
Feed Wheat, No. 1.....	Farm Gate, per bushel	1.91	2.25	3.72	4.43	3.08
Hay, Good Quality Baled.....	per ton	65.15	62.40	64.10	76.18	80.39
Fertilizer, 46-0-0, Bulk.....	per tonne	242.05	270.23	350.45	378.70	339.84
Fertilizer 11-51-0, Bulk.....	per tonne	329.13	374.29	446.76	460.45	434.39
Fertilizer, 82-0-0, Bulk.....	per tonne (Applicator Inc.)	346.24	381.79	501.37	542.54	533.87
2-4D Low Volatile.....	20 litres	76.92	79.72	87.31	92.73	96.97
Avodex BW, Liquid.....	5 gallon	193.17	194.28	196.88	198.82	200.99
Trifluralin, Trellan.....	17 litre case	194.41	200.47	209.76	218.37	231.23
Penicillin, Injectable.....	100 CC.	6.19	6.68	7.01	8.03	7.28
Vitamin A D E, Injectable.....	100 CC	6.18	7.23	8.41	9.41	9.56
Seed - Wheat, Bulk.....	100 kg	18.61	18.08	23.32	29.85	29.59
Seed - Barley, Bulk.....	100 kg	20.08	20.53	23.41	30.86	30.46
Seed - Canola, Treated.....	100 kg, bagged	235.62	251.88	282.50	285.02	308.73
Purple Gas (1).....	100 litres	35.04	38.35	41.45	43.30	44.47
Diesel Fuel (1).....	100 litres	23.10	26.69	28.68	30.65	32.43
Propane, Bulk.....	100 litres	24.01	24.17	23.85	25.42	28.65
Natural Gas.....	GJ	2.60	3.18	2.83	2.66	2.80
Oil, For Diesel Engines.....	5 litres	8.95	9.00	9.24	9.40	9.52

(1) Minus Provincial Rebate Only.

Source: Agricultural Input Monitoring System (AIMS), Statistics Unit, Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

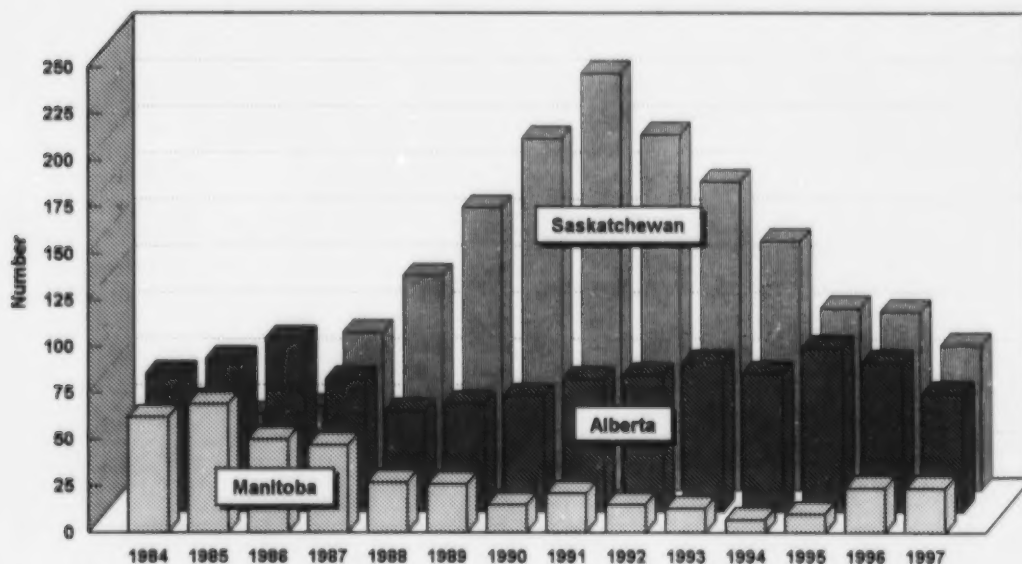
Table 19 Farm Bankruptcies, Canada and Provinces, 1984-1997

	(1) Canada	Alberta	B.C.	Sask.	Manitoba	Ontario	Quebec	Atlantic Provinces
	no.							
1984	551	74	39	48	62	154	162	12
1985	508	82	25	41	69	152	124	14
1986	440	93	33	45	50	102	103	14
1987	354	71	23	85	47	52	67	9
1988	325	54	31	115	27	35	54	9
1989	334	58	14	152	26	18	61	5
1990	407	62	18	189	15	32	73	18
1991	441	71	15	224	21	15	82	13
1992	383	73	10	191	15	21	63	10
1993	349	80	5	166	13	22	49	14
1994	330	74	12	134	7	23	69	11
1995	307	88	14	98	10	36	44	17
1996	315	80	2	96	24	24	71	18
1997	276	63	10	78	24	23	61	17

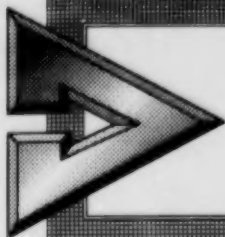
(1) Canada total includes Yukon and Northwest Territories.

Source: Office of the Superintendent of Bankruptcy, Industry Canada

Fig. 14 Number of Farm Bankruptcies Reported by the Prairie Provinces, 1984-1997







EMPLOYMENT AND WAGES

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Table 20 Alberta Employed Labour Force in Agri-Food Industries (1), 1984-1997

	Total Alberta Industries	Primary Agriculture (2)	Food & Beverage (3)	Total Agri-Food Industries
	no. of persons			
1984	1,148,600	96,600	16,800	113,400
1985	1,170,200	80,200	19,300	99,500
1986	1,189,200	82,300	17,100	99,400
1987	1,187,600	88,800	16,000	104,800
1988	1,224,400	91,800	17,700	109,500
1989	1,253,600	87,800	17,500	105,300
1990	1,277,000	93,000	17,700	110,700
1991	1,289,800	92,200	16,900	109,100
1992	1,284,800	84,100	15,800	99,900
1993	1,296,400	82,900	18,700	101,600
1994	1,337,200	81,300	15,700	97,000
1995	1,373,200	96,000	17,400	113,400
1996	1,412,700	96,000	20,200	116,200
1997	1,456,900	85,900	19,300	105,200

(1) Annual averages (rounded) for employed labour force refers to persons 15 years of age and over who (a) did any work during the reference period or (b) had a job but were not at work due to illness or disability; personal or family responsibilities; bad weather; labour disputes; vacation; or other reasons not specified. Work includes any work for pay or profit. It also includes unpaid family work which contributes directly to the operation of a farm, business or professional practice owned or operated by a related member of the household.

(2) Primary agriculture refers to agricultural and related service industries, that is, farms, horticultural specialties and services incidental to livestock and agricultural crops.

(3) Food and beverage refers to food and beverage manufacturing industries.

Source: Statistics Canada Cat. No. 71-001, "The Labour Force"

Fig. 15 Employment in Alberta Agri-Food Industries, 1985-1997

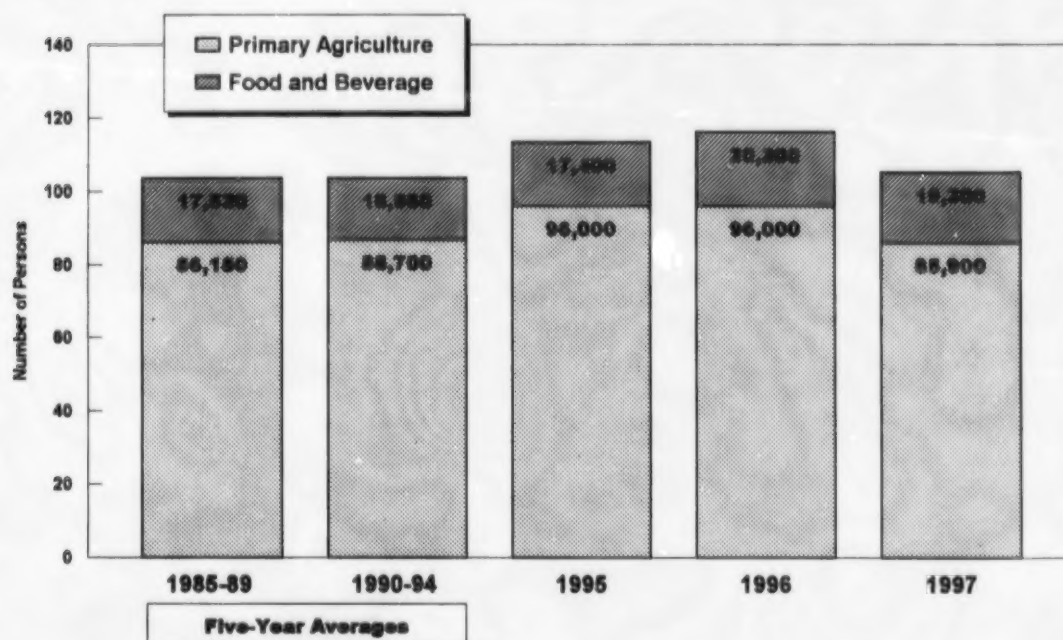


Table 21 Alberta Primary Agriculture Employed Labour Force by Type (1), 1984-1997

	Total Agriculture (2)	Livestock Farming (3)	Grain & Horticulture Farming (4)	Combination Farming (5)	Services to Agriculture (6)
	no. of persons				
1984	96,600	13,100	20,100	61,300	2,100
1985	80,200	10,700	16,800	49,800	2,900
1986	82,300	10,600	16,100	52,600	3,000
1987	88,800	11,600	17,400	54,800	4,900
1988	91,800	12,100	23,300	53,400	3,100
1989	87,800	10,000	20,800	54,700	2,200
1990	93,000	11,800	19,800	57,700	3,600
1991	92,200	16,400	16,300	56,000	3,500
1992	84,100	15,200	15,100	50,400	3,300
1993	82,900	12,600	15,000	51,600	3,700
1994	81,300	15,100	12,400	50,100	3,700
1995	96,000	20,600	14,200	56,000	5,300
1996	96,000	19,000	17,000	54,000	6,000
1997	85,900	21,500	15,300	43,600	5,500

(1) Annual averages (rounded).

(2) Agriculture refers to agricultural and related service industries, that is, farms, horticultural specialties and services incidental to livestock and agricultural crops.

(3) Livestock refers to farms on which more than 50 per cent of the gross agricultural revenue is derived from sales of dairy products, cattle, hogs, poultry and eggs, sheep, goats and specialty livestock/products (e.g. honey, horses and furs) or from a combination of these products.

(4) Grain and horticulture refers to farms on which more than 50 per cent of the gross agricultural revenue is derived from sales of cereal grains, oilseeds, grain corn, fodder, pulses, vegetables and fruits. Also included are sales of horticultural specialties such as mushrooms, greenhouse products and nursery products.

(5) Combination farming refers to livestock, field crop and horticultural combination farms.

(6) Services to agriculture refers to establishments primarily involved in providing services to livestock and animals such as veterinary services, animal breeding services and poultry services. Also included are establishments providing services incidental to crops, e.g., soil preparation; planting and cultivating services; crop dusting; harvesting, baling and threshing services. Other services such as agricultural management and consulting services are also included.

Source: Statistics Canada, Labour Force Survey, Unpublished Data

Fig. 16 Type of Agricultural Employment in Alberta, 1990-1997

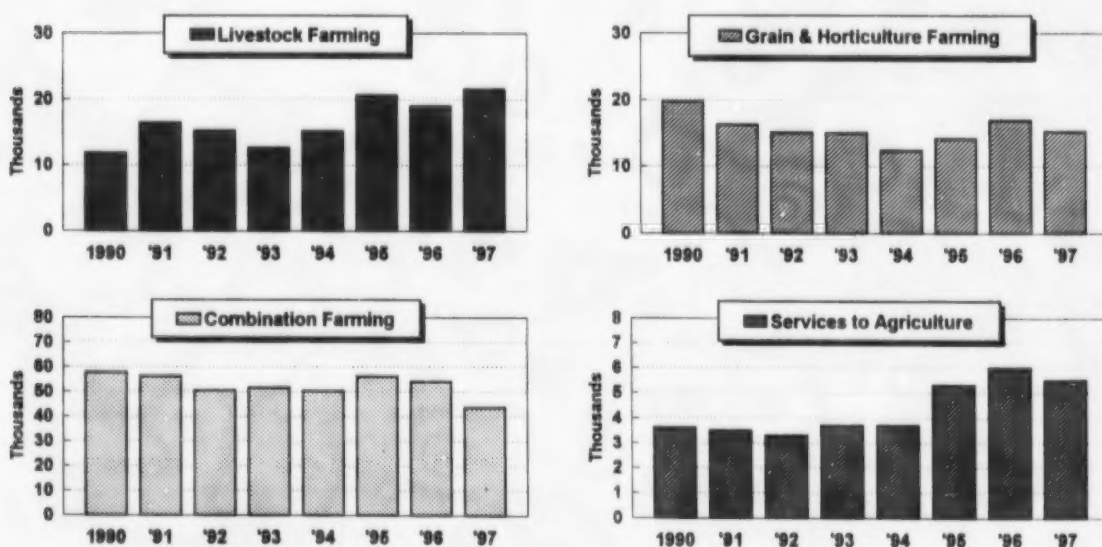
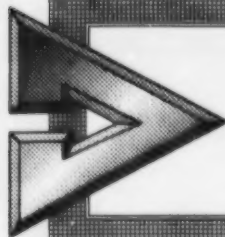


Table 22 Wage Rates Paid to Hired Agricultural Labour, Canada and Provinces, 1992-1996

	Canada	Alberta	B.C.	Sask.	Manitoba	Ontario	Quebec	Atlantic Provinces
General Farm Labour								
1992	8.14	8.92	8.58	7.54	7.99	8.43	7.34	7.71
1993	8.29	8.61	9.11	8.17	8.43	8.66	7.34	7.90
1994	8.69	9.53	8.93	8.13	8.01	9.02	7.54	8.16
1995	8.76	9.06	9.47	8.57	8.47	9.00	8.01	8.33
1996	8.94	9.34	10.25	8.63	8.87	8.98	7.94	8.10
Operating Machinery								
1992	8.73	9.09	9.79	7.84	8.53	11.01	8.67	7.90
1993	9.21	9.74	9.18	8.06	8.71	11.20	7.87	8.33
1994	9.71	10.03	10.75	8.86	8.41	10.80	10.06	10.09
1995	9.59	9.96	10.81	8.78	9.06	10.82	10.13	9.10
1996	10.19	10.38	11.19	9.32	10.03	10.87	10.24	9.36
Care of Livestock								
1992	9.11	8.95	10.48	9.23	8.79	9.14	9.68	8.27
1993	9.32	9.65	10.49	8.10	8.92	9.45	9.10	8.25
1994	9.42	9.76	10.59	9.44	9.77	9.15	9.28	8.57
1995	9.97	10.72	11.36	10.05	8.31	10.22	9.07	8.87
1996	9.95	10.96	11.15	9.86	8.16	10.09	9.51	9.11
Fruit and Vegetable Labour								
1992	7.03	6.81	7.83	7.04	6.45	6.78	6.69	7.46
1993	7.35	7.32	7.99	8.17	8.27	7.25	6.33	7.41
1994	7.55	6.66	7.86	8.84	7.33	7.79	7.09	7.90
1995	7.66	7.97	8.78	8.24	6.81	7.32	6.79	7.61
1996	8.00	8.57	8.64	9.90	6.33	7.79	7.71	7.91
Supervising								
1992	11.22	11.14	13.32	12.92	10.59	11.78	8.99	7.71
1993	13.79	14.83	13.97	10.15	12.84	15.50	9.86	12.21
1994	13.32	11.58	14.95	12.37	14.90	13.86	11.18	11.91
1995	14.02	13.49	14.26	11.37	14.45	15.07	11.90	10.81
1996	13.81	14.20	16.86	12.18	11.47	15.04	12.64	11.01
Other Types of Labour								
1992	8.03	10.36	8.91	7.93	7.11	7.94	9.04	7.81
1993	10.68	16.17	9.22	10.67	8.33	9.09	6.36	8.61
1994	8.77	7.58	8.30	8.00	11.04	12.37	11.17	9.11
1995	9.03	10.38	9.31	6.63	5.43	9.01	10.47	7.91
1996	9.49	10.47	10.24	10.42	7.96	8.20	8.96	10.01
Average All Types								
1992	8.17	8.77	8.77	7.82	8.17	8.15	7.63	7.71
1993	8.57	9.51	9.20	8.17	8.70	8.70	7.65	8.01
1994	8.75	9.09	9.07	8.60	8.52	8.94	8.20	8.31
1995	8.89	9.47	9.64	8.91	8.38	8.99	8.12	8.31
1996	9.18	9.95	10.16	9.13	9.00	8.99	8.59	8.31

Note: The Survey of Wage Rates for Hired Agricultural Labour provides estimates of average annual wage rates (for the calendar year) by province and by type of work. The target population is all farm operations employing hired agricultural labour. Labour provided by the spouse or children of the farm operator is excluded.

Source: Statistics Canada, Agriculture Division



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Alberta Crops

The 1997 Crop Season

Field activity in the spring of 1997 was split between harvesting and seeding for many producers in the northern half of the province. Over 600,000 acres had been left unharvested from the fall of 1996 as a result of heavy rains and an early snowfall. The spring weather was not much better for harvesting, as cool conditions well into May

prevented the above normal amounts of snowfall from melting. In several cases, producers were forced to burn off the old crop so they could start focussing on seeding.

Even after the old crop was taken off, the northern areas of the province still could not seed very much as rain would come just as fields had dried enough to hold equipment. Areas around Athabasca, Lac La Biche and the west - central districts of the Peace River Region would end up seeding crops well into the middle of July. These producers were hoping that a long fall would ensure enough days for the late seeded crops to mature. By mid-July, the final planting had occurred. Acreage which remained unseeded was mostly intended for wheat.

In the remainder of the province, seeding was completed by the last week of May without too much difficulty. Soil moisture was drier than what most producers would have liked, but in comparison to their counterparts in north, central and southern Alberta, farmers were relatively happy with their spring seeding conditions.

Moving into June, the northern half of the province continued to fight with saturated fields. The southern and central areas of the province had good, even crop emergence as a result of fairly good soil moisture. Spraying was general across those areas that had been seeded in May by about the third week of June. It was important that producers actually got into their fields to spray, as the bountiful moisture during the spring had created ideal conditions for weeds.

July brought very divergent crop conditions to the province. Northern Alberta continued to be plagued by rain showers. Thousands of acres were being plowed down weekly as crops began to yellow and drown in the ponding fields. Meanwhile, fields in the eastern and southern districts of the province began to show signs of heat stress from the long, hot, windy days. Crops across Alberta were much more susceptible to heat stress during 1997 as their root systems had only developed in the shallow soil due to the cool, wet spring conditions. By the last week of July, farmers in the eastern and southern areas of the province started to wonder if they would have any crop to harvest. Flower blast had become prevalent in the canola and pea stands and many cereals were starting to show leaf curling. Yield expectations were dropping daily as the hot weather continued.

August weather brought much of the same as July. As a result, producers in the east and the south began harvesting a week to ten days earlier than normal. In some cases, feedgrains such as barley and oats were baled up for greenfeed as the yields were thought to be too poor to make combining economical. Those areas that did combine the barley found that in many fields the bushel weights were light, coming in well below the 48 pound level.

Harvest carried on smoothly from the middle of August until the end of the first week of September, as ideal conditions prevailed across those areas that were mature enough to thresh the crop. Harvest conditions took a change for the worse from the second week of September until nearly the end of the month as rain and the odd snow flurry fell across all parts of the province. Fortunately, there was not much crop in the swath, so quality impacts were minimal.

A break in the weather came during the last week of September. Tremendous harvest progress was made across the province. Fortunately, for those producers who had seeded late in the spring, a killing frost did not hit until nearly the second week of October. This

meant that most crops in the northern half of the province managed to mature. Although these fields had finally matured, several producers near the British Columbia border in the Peace River Region still could not take their crop off as field conditions were too wet. The temperatures were not cold enough to freeze the ground.

By the end of October, all potential harvesting had occurred. Although permanent snow had still not been received in most of Alberta by the first week of December, areas in the Peace River Region that did have crop out still had received permanent snowfall and were resigned to another year of spring harvesting. Roughly 300,000 acres have been left for spring combining.

Pasture and Hay

Hay yields for 1997 released by Statistics Canada look fairly low in comparison to what Alberta Agriculture, Food and Rural Development specialists out in the field are showing. The last survey (December 3, 1997) shows the hay yield for Alberta to be somewhere around the two ton per acre mark - twice the amount that Statistics Canada is showing. Alberta's first cut of hay brought in tremendous yields as forage stands soaked up the excess spring moisture. July and August were hot and dry, thus the second cut of hay did not fare as well. The first graze of pastures was also very good, and in fact, some producers were even swathing the odd pasture stand as a result of the excess growth.

The quality of hay put up was in excellent condition. The second cut of hay did have some problems in a few areas as scattered showers would appear on the scene just as the hay had dried sufficiently.

Winter feed and bedding supplies across the province are in very good shape. This is the highest amount of feed supplies that Alberta has seen in a few years. The long drawn out fall helped the feed situation as producers took advantage of fall grazing on old pastures as well as some fall stubble.

Alberta Agriculture Regions (5)

- 1 South (Strathmore, Lethbridge, Medicine Hat, Foremost)
- 2 Central (Rimbey, Airdrie, Red Deer, Coronation, Oyen, Calgary)
- 3 North East (Smoky Lake, Vermilion, Camrose, Provost)
- 4 North West (Barrhead, Edmonton, Leduc, Drayton Valley, Athabasca)
- 5 Peace (Fairview, Falher, Grande Prairie, Valleyview)



Crop Diseases and Pests

As a result of the wet spring in many parts of Alberta, it was imperative that producers sprayed for disease problems such as septoria, tan spot, and net blotch. These diseases were especially prevalent across most fields in the northern half of the province. Outbreaks of sclerotinia in canola became apparent across the province, but were reasonably controlled. Nitrogen deficiency, as well as crop yellowing was also widespread across the north. This was impossible to treat, and in some cases producers would simply plow the field under.

Pest problems appeared on the Alberta crop scene by the beginning of July. Despite the wet conditions in the North West Region, small outbreaks of grasshoppers occurred. Some specialists coined the new term "aquatic grasshoppers" as a result. Lygus bugs in canola and other oilseed crops were a significant problem in 1997. The infestation started in southern Alberta and worked itself north through the eastern Alberta canola area and even made it up to the Peace River Region. Diamond back moths and Bertha army worms were also prevalent in various areas of the province, but for the most part, producers kept these pests in line. The wet spring also created a perfect environment for mosquitoes. These pests would hang on until the middle of July when the dry conditions finally took care of them.

Crop Yield and Production

Crop yields were volatile this year in Alberta. In July and early August, yields were looking dismal as a result of the drowned crops in the north and the drought stressed fields in the south and east. Surprisingly enough, however, some recovery was made in canola, peas and cereals and in the end, yields came

out better than expected in these crops. According to the Statistics Canada survey, specialty crops and forages did not fare as well. At this time, there is still some questions regarding these crop yields as some yields appear too low.

In 1997, Alberta experienced a considerable drop in cereal production. Wheat, oats and barley all fell nearly 10 per cent each. Much of this slack was picked up by the oilseeds. Flaxseed production jumped nearly 60 per cent, while canola tonnage picked up 20 per cent. Part of the increase in canola production was a result of producers in the north moving their intended wheat acreage into Polish canola as the seeding window last spring grew tighter.

The quality of this year's crop was excellent. Although showers were received periodically throughout the harvest season, crops were not usually in the swath as producers tended to cut and thresh soon after. As of the middle of October, up to 59 per cent of the harvested Hard Red Spring Wheat was expected to grade number one, while 20 per cent of the barley crop was expected to grade malt. Canola also came off in good shape with roughly 80 per cent of the crop anticipated to be number one (Alberta Wheat Pool). The only problem with crop quality was found in barley. Several specialists noted that light barley was prevalent in eastern and southern Alberta.

Table 23 Precipitation Recorded at Selected Alberta Stations, 1992-1997 (1)

	Normal (2)	1992	1993	1994	1995	1996	1997
millimetres							
Medicine Hat	247.9	317.1	356.8	442.5	199.2	256.3	157.0
Lethbridge	301.7	322.2	346.5	574.8	282.1	240.6	230.1
Pincher Creek	373.3	391.6	552.9	614.2	277.7	367.2	-
Calgary	336.9	351.9	428.4	399.4	307.7	259.4	389.7
Red Deer	385.4	534.9	319.1	365.0	470.0	367.3	357.5
Lloydminster	352.5	355.6	216.1	303.8	299.3	379.1	338.8
Vegreville	435.6	258.6	211.5	317.7	402.6	480.2	-
Edmonton (3)	376.1	431.3	264.8	329.2	466.3	536.1	469.3
Whitecourt	455.9	494.5	380.2	389.2	416.0	589.1	-
Cold Lake	340.6	239.8	282.1	417.6	330.3	385.5	425.4
Fort McMurray	361.3	475.9	332.4	342.7	237.4	478.9	389.5
Grande Prairie	322.9	366.7	275.3	369.1	420.3	342.1	396.9
Peace River	287.8	313.8	270.9	341.3	309.6	425.0	448.1
High Level	307.9	319.2	251.7	292.4	199.0	237.6	417.2
% of Normal							
Medicine Hat		127.9	143.9	178.5	80.4	103.4	63.3
Lethbridge		106.8	114.8	190.5	93.5	79.7	76.3
Pincher Creek		104.9	148.1	164.5	74.4	98.4	-
Calgary		104.5	127.2	118.6	91.3	77.0	115.7
Red Deer		138.8	82.8	94.7	122.0	95.3	92.8
Lloydminster		100.9	61.3	86.2	84.9	107.5	96.1
Vegreville		79.0	88.7	33.9	122.9	110.2	-
Edmonton (3)		114.7	70.4	87.5	124.0	142.5	124.8
Whitecourt		108.5	83.4	85.4	91.2	129.2	-
Cold Lake		70.4	82.8	122.6	97.0	113.2	124.9
Fort McMurray		131.7	92.0	94.9	65.7	132.5	107.8
Grande Prairie		113.6	85.3	114.3	130.2	105.9	122.9
Peace River		109.0	94.1	118.6	107.6	147.7	155.7
High Level		103.7	81.7	95.0	64.6	77.2	135.5

(1) Precipitation refers to rainfall from April to October inclusive.

(2) Normal refers to 1951-1980 long-term average.

(3) Edmonton International Airport.

Source: Conservation and Development Branch of Alberta Agriculture, Food and Rural Development; and Environment Canada

Fig. 17 Precipitation at Selected Alberta Stations (millimetres), 1993-1997

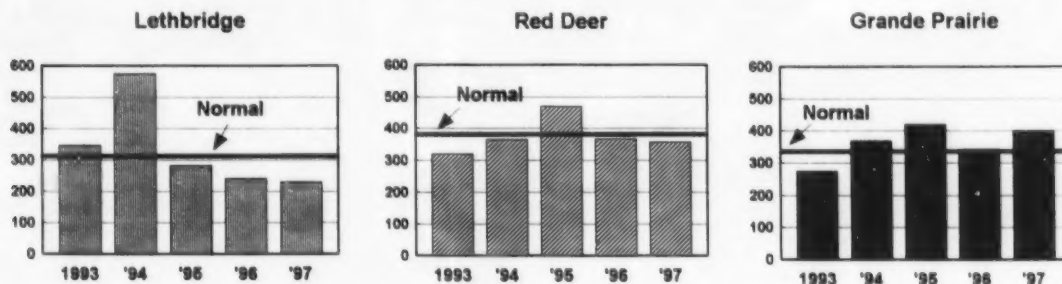


Table 24 Alberta Hail and Crop Insurance, 1974-1997

	Contracts Insured (1)	Acres Insured	(2) Premiums	Liability	Indemnities
	no.	'000		\$'000	
1974	13,883	3,838	14,458	125,863	13,806
1975	18,685	5,113	27,399	215,976	18,356
1976	18,580	5,343	30,549	229,289	16,500
1977	20,878	6,301	36,955	279,520	38,130
1978	19,258	5,908	36,444	259,967	22,686
1979	18,253	5,882	39,272	280,471	26,846
1980	18,862	6,640	53,436	381,048	32,026
1981	18,638	7,009	65,168	483,148	26,790
1982	18,323	7,204	69,956	547,384	62,411
1983	20,050	8,289	86,118	663,600	76,613
1984	21,939	9,292	97,032	760,839	211,946
1985	23,431	10,575	117,480	863,035	259,619
1986	24,994	11,166	130,852	825,200	104,616
1987	24,500	10,350	100,146	592,194	76,508
1988	26,445	11,370	116,653	685,529	112,755
1989	25,936	11,478	156,200	953,644	164,132
1990	24,484	10,854	136,363	852,380	80,737
1991	24,721	11,511	85,446	734,162	37,693
1992	25,001	11,513	86,718	771,772	144,137
1993	23,061	10,982	97,564	827,351	60,859
1994r	20,289	9,067	83,510	620,866	22,335
1995r	16,144	8,310	111,240	675,327	51,664
1996p	14,290	7,309	117,353	783,944	42,097
1997p	15,161	8,536	138,729	899,934	65,507

Note: No hail endorsement in 1994.

(1) Includes all crops, alfalfa and processing vegetables.

(2) Includes farmer and federal shares, provincial high risk subsidy and hail endorsement.

Source: Agriculture Financial Services Corporation, Insurance Division

Table 25 Irrigation in Alberta by District, 1990-1997

	1990	1991	1992	1993	1994	1995	1996	1997
Assessed Irrigable Acres (Permanent and Terminable)								
Aetna	3,500	3,527	3,519	3,519	3,519	3,519	3,519	3,519
Bow River	199,980	201,070	202,499	204,466	205,983	207,652	209,560	209,686
Eastern	260,523	263,889	269,462	270,008	272,024	273,848	276,405	279,966
Leavitt	4,742	4,762	4,800	4,780	4,780	4,780	4,760	4,760
Lethbridge (1)	122,102	122,338	126,046	138,095	141,517	143,608	147,241	150,843
Magrath	15,099	16,665	16,391	16,775	16,785	17,908	18,169	18,300
Mountain View	3,728	3,728	3,734	3,737	3,727	3,727	3,727	3,713
Raymond	44,044	44,305	44,279	44,229	44,219	43,678	44,315	44,810
Ross Creek	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210
St. Mary's River	349,849	350,108	351,393	353,039	353,466	356,618	358,399	360,942
Taber	74,568	77,740	78,177	78,412	78,629	78,676	79,069	79,788
United	34,769	34,687	34,868	34,772	34,438	34,428	34,506	34,353
Western	88,480	88,112	87,949	87,453	86,725	86,942	87,258	85,983
Total	1,202,594	1,212,141	1,224,327	1,240,495	1,247,022	1,256,594	1,268,138	1,277,873
Acres Actually Irrigated								
Aetna	2,446	2,582	2,519	0	1,940	765	2,145	2,476
Bow River	183,147	182,932	182,543	184,463	187,247	192,328	196,055	197,905
Eastern	253,261	246,083	256,342	259,778	259,942	263,576	271,075	274,888
Leavitt	4,500	4,200	4,200	0	4,200	1,000	4,277	4,600
Lethbridge (1)	127,439	130,989	131,305	67,565	133,803	100,589	143,152	145,061
Magrath	14,000	15,000	15,240	0	11,425	3,250	14,341	13,479
Mountain View	2,500	2,880	2,880	0	3,277	1,053	1,053	1,053
Raymond	36,911	32,847	36,788	0	36,291	16,473	39,662	39,484
Ross Creek	0	650	0	0	734	643	734	794
St. Mary's River	338,274	319,745	324,477	262,718	330,949	289,173	339,098	342,234
Taber	73,329	73,169	74,229	66,158	73,949	72,108	74,766	76,083
United	11,523	11,548	15,499	0	14,255	5,035	14,135	19,205
Western	49,000	48,300	43,889	40,007	47,335	39,130	68,710	62,448
Total	1,096,330	1,070,816	1,089,911	880,759	1,105,347	985,123	1,169,203	1,179,710

(1) Refers to Lethbridge Northern. Assessed Acres were less than Actually Irrigated Acres from 1988 to 1993 because "Restricted Acres" were not included in Assessed Acres.

Source: Irrigation Branch of Alberta Agriculture, Food and Rural Development

Table 26 Irrigated Crop Area in Alberta, 1990-1997

	1990	1991	1992	1993	1994	1995	1996	1997
Acres								
Grains (1)	496,733	470,787	480,305	335,868	358,310	330,688	522,859	476,397
Oilseeds (2)	81,061	69,974	60,248	66,696	110,407	105,777	72,183	106,986
Hay (3)	263,930	276,256	281,951	227,740	256,965	232,185	222,887	220,458
Tame Pasture	77,653	73,263	84,228	77,062	100,907	101,043	127,066	115,178
Other Fodder (4)	54,770	52,390	55,556	60,223	100,042	80,057	101,094	132,091
Sugar Beets	32,824	33,411	32,167	30,200	36,408	33,968	33,917	32,038
Potatoes	23,194	18,502	17,675	19,926	23,080	20,818	21,420	20,783
Peas	8,344	10,205	12,155	10,386	14,195	14,164	10,887	13,142
Forage Seed	9,258	9,479	9,444	10,800	12,351	13,846	11,588	10,035
Other (5)	44,845	53,117	52,153	40,923	53,633	49,992	44,270	49,970
Total Crops	1,092,612	1,067,384	1,085,882	879,824	1,066,298	982,538	1,168,171	1,177,078
Summerfallow	3,717	3,544	4,029	935	3,222	2,585	1,032	2,632
Area Irrigated	1,096,329	1,070,928	1,089,911	880,759	1,069,520	985,123	1,169,203	1,179,710

Note: 1994 total irrigated crop area does not include crop information for five districts.

(1) Wheat, oats, barley, rye, triticale, mixed grain and corn.

(4) Greenfeed, cereal, corn and hay silage.

(2) Canola, flax, mustard, sunflower, etc.

(5) Beans, sweet corn and miscellaneous crops.

(3) Alfalfa, timothy and brome grass.

Source: Irrigation Branch of Alberta Agriculture, Food and Rural Development

Table 27 Farm Supply and Disposition of Alberta Principal Crops, 1988-89 to 1996-97

	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97p
All Wheat ('000 tonnes)									
Opening Stocks Aug. 1	550.0	220.0	245.0	320.0	750.0	850.0	1,195.0	215.0	320.0
Production	5,233.4	6,457.4	6,994.8	7,772.7	6,327.6	7,620.2	5,592.7	7,266.5	7,789.1
Total Supply	5,783.4	6,677.4	7,239.8	8,092.7	7,077.6	8,470.2	6,787.7	7,481.5	8,109.1
Markatings	4,447.4	5,441.1	5,969.2	6,457.9	5,277.1	6,014.1	5,316.3	5,899.2	6,180.1
Seed	306.1	305.5	306.0	316.2	290.6	243.3	264.4	288.8	260.4
Carryover	220.0	245.0	320.0	750.0	850.0	1,195.0	215.0	320.0	700.0
Feed/Waste/Dockage*	809.9	685.8	644.6	568.6	659.9	1,017.8	992.0	973.5	968.6
Total Disposition	5,783.4	6,677.4	7,239.8	8,092.7	7,077.6	8,470.2	6,787.7	7,481.5	8,109.1
Barley ('000 tonnes)									
Opening Stocks Aug. 1	1,200.0	600.0	550.0	750.0	850.0	850.0	1,050.0	600.0	475.0
Production	5,856.8	5,726.2	6,248.7	5,878.6	4,855.3	6,314.0	5,464.9	6,335.8	7,076.0
Total Supply	7,056.8	6,326.2	6,798.7	6,628.6	5,705.3	7,164.0	6,514.9	6,935.8	7,551.0
Markatings	3,408.6	2,732.3	2,851.8	2,438.9	2,050.3	2,854.9	2,565.2	2,795.4	2,840.0
Seed	184.5	184.5	183.0	162.5	172.7	165.9	174.4	196.4	189.6
Carryover	600.0	550.0	750.0	850.0	850.0	1,050.0	600.0	475.0	950.0
Feed/Waste/Dockage*	2,863.7	2,859.4	3,013.9	3,177.2	2,632.3	3,093.2	3,175.3	3,469.0	3,571.4
Total Disposition	7,056.8	6,326.2	6,798.7	6,628.6	5,705.3	7,164.0	6,514.9	6,935.8	7,551.0
Oats ('000 tonnes)									
Opening Stocks Aug. 1	350.0	250.0	400.0	350.0	200.0	220.0	390.0	300.0	150.0
Production	1,650.2	1,480.5	1,110.4	786.5	1,036.4	1,465.1	1,187.5	771.1	1,079.5
Total Supply	2,000.2	1,730.5	1,510.4	1,136.5	1,236.4	1,685.1	1,577.5	1,071.1	1,229.5
Markatings	777.7	510.7	344.3	314.6	447.1	614.0	622.3	549.3	568.2
Seed	60.7	51.1	41.1	54.3	51.1	47.9	38.4	44.7	44.7
Carryover	250.0	400.0	350.0	200.0	220.0	390.0	300.0	150.0	250.0
Feed/Waste/Dockage*	911.8	768.7	775.0	567.6	518.2	633.2	616.8	327.0	366.6
Total Disposition	2,000.2	1,730.5	1,510.4	1,136.5	1,236.4	1,685.1	1,577.5	1,071.0	1,229.5
Canola ('000 tonnes)									
Opening Stocks Aug. 1	40.0	190.0	100.0	50.0	120.0	30.0	20.0	70.0	160.0
Production	1,973.1	1,406.1	1,281.4	1,621.6	1,349.4	2,154.6	2,472.1	2,449.4	1,701.0
Total Supply	2,013.1	1,596.1	1,381.4	1,671.6	1,469.4	2,184.6	2,492.1	2,519.4	1,861.0
Markatings	1,562.8	1,328.1	1,206.6	1,409.6	1,337.0	2,012.6	2,246.5	2,190.7	1,754.2
Seed	7.9	7.1	8.7	8.3	10.5	14.6	13.0	9.2	11.8
Carryover	190.0	100.0	50.0	120.0	30.0	20.0	70.0	160.0	70.0
Feed/Waste/Dockage*	252.4	160.9	116.1	133.7	91.9	137.4	162.6	159.5	24.9
Total Disposition	2,013.1	1,596.1	1,381.4	1,671.6	1,469.4	2,184.6	2,492.1	2,519.4	1,861.0

* Feed/Waste/Dockage is calculated as a residual.

Source: Agriculture Division, Statistics Canada

Table 28 Stocks of Grain on Alberta Farms at July 31, 1966-1997

	All Wheat	Oats	Barley	Rye	Flaxseed	Canola
'000 Tonnes						
1966	626	386	435	25	10	-
1967	1,089	463	675	18	10	9
1968	1,415	339	631	20	3	18
1969	2,313	447	1,393	25	5	4
1970	2,722	555	1,676	36	5	2
1971	1,851	478	631	46	53	2
1972	1,034	370	653	51	18	79
1973	544	339	827	18	3	2
1974	408	278	566	25	5	16
1975	354	231	479	36	13	34
1976	299	262	544	41	13	136
1977	1,334	308	631	25	5	11
1978	599	386	1,350	25	3	14
1979	1,361	355	1,393	97	5	91
1980	680	232	500	56	2	120
1981	355	230	610	20	10	170
1982	1,010	230	1,070	38	3	34
1983	500	350	1,560	60	8	15
1984	480	200	570	30	3	3
1985	260	180	450	35	7	40
1986	200	170	400	35	2	85
1987	950	430	700	60	10	70
1988	550	300	1,200	60	5	60
1989	220	250	600	25	5	200
1990	250	400	530	50	0	110
1991	320	350	750	25	25	50
1992	750	200	850	10	30	120
1993	900	220	850	10	5	30
1994	1,195	390	1,050	10	0	20
1995	215	300	600	15	0	70
1996	320	150	475	5	10	160
1997p	700	250	950	5	5	70

Source: Statistics Canada Cat. No. 22-002, "Field Crop Reporting Series"

Fig. 18 Stocks of Alberta All Wheat, Oats and Barley at July 31, 1987-1997

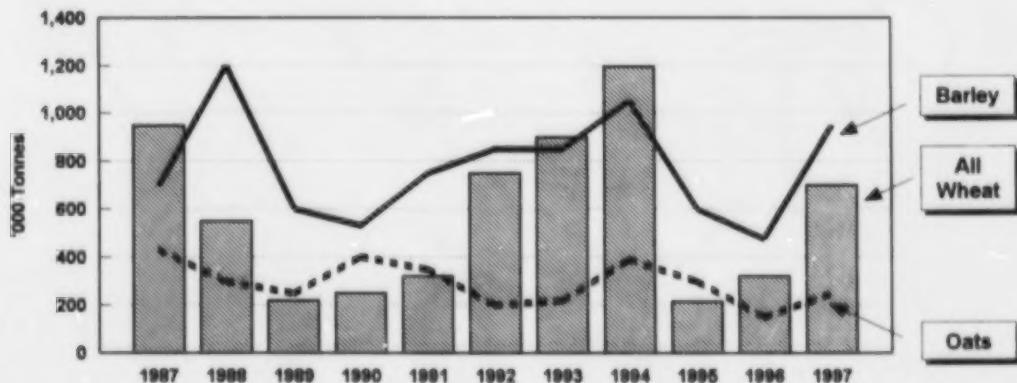
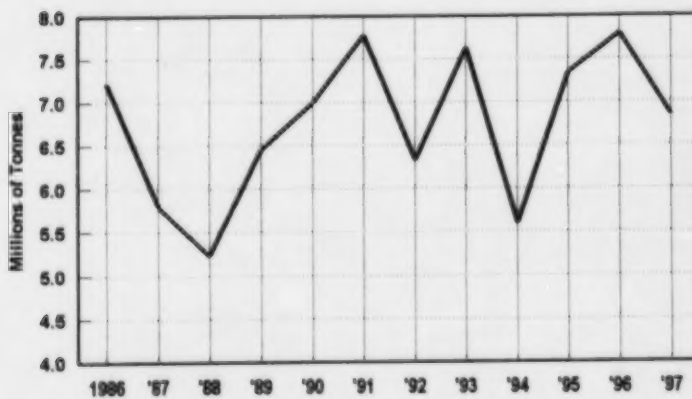
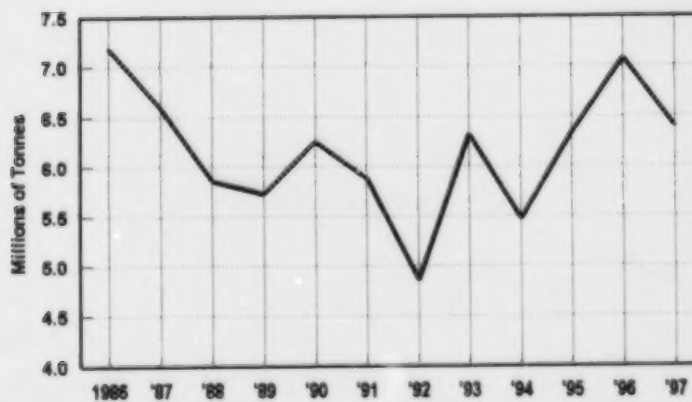


Fig. 19 Production of Alberta All Wheat, Barley and Canola, 1986-1997



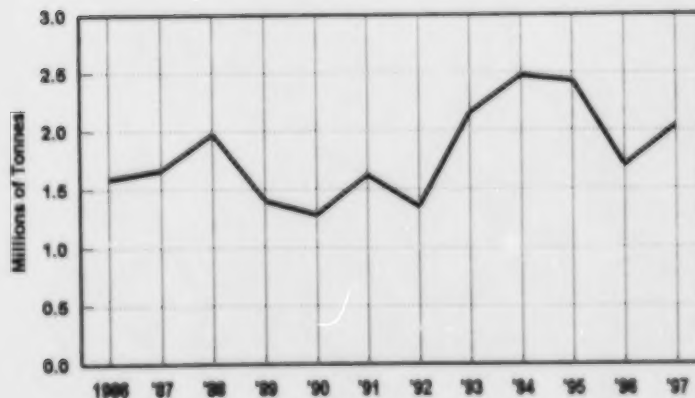
All Wheat

Alberta 1997 Production:
6.8 million tonnes or
28 per cent of Canada Total



Barley

Alberta 1997 Production:
6.4 million tonnes or
47 per cent of Canada Total



Canola

Alberta 1997 Production:
2.0 million tonnes or
33 per cent of Canada Total

Table 29 Major Crop Production, Canada and Provinces, 1988-1997

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
All Wheat ('000 tonnes)								
1988	15,912.7	5,233.4	6,858.2	2,381.5	109.0	1,135.0	156.5	39.1
1989	24,796.2	6,457.4	12,778.1	4,172.2	122.0	1,095.8	138.0	32.7
1990	32,098.3	6,994.8	17,485.9	5,884.4	136.0	1,418.4	152.0	26.8
1991	31,945.6	7,772.7	18,501.2	4,806.3	108.9	623.1	107.8	25.6
1992	29,878.5	6,327.6	16,192.1	5,807.7	65.9	1,330.8	121.8	32.6
1993	27,231.5	7,620.2	15,031.2	3,637.3	111.3	680.3	111.5	39.7
1994	23,122.1	5,592.7	12,300.0	3,696.6	117.1	1,260.1	105.1	50.5
1995	25,036.5	7,266.5	12,682.6	3,404.7	159.8	1,363.5	99.4	60.0
1996	29,801.4	7,789.1	16,547.0	4,376.5	78.9	862.7	92.5	54.7
1997p	24,270.2	6,839.3	13,070.2	3,350.2	62.1	830.0	71.6	46.8
Oats ('000 tonnes)								
1988	2,941.7	1,650.2	493.5	231.3	76.3	172.7	256.0	61.7
1989	3,265.0	1,480.5	802.0	330.0	79.4	263.7	248.0	61.4
1990	2,692.2	1,110.4	694.0	339.3	53.2	211.3	238.0	46.0
1991	1,793.9	786.5	385.6	222.1	52.8	137.3	178.0	31.6
1992	2,828.5	1,036.4	663.2	555.2	49.4	177.4	276.0	70.9
1993	3,549.1	1,465.1	1,079.5	493.5	110.3	141.1	220.0	39.6
1994	3,637.6	1,187.5	1,388.0	663.2	77.1	100.2	183.0	38.6
1995	2,857.5	771.1	1,110.4	624.6	56.3	86.4	173.0	35.7
1996	4,361.1	1,079.5	1,881.5	1,056.4	31.6	78.7	185.0	48.4
1997p	3,484.7	979.3	1,403.4	735.6	33.5	95.6	195.0	42.3
Barley ('000 tonnes)								
1988	10,326.1	5,856.8	2,111.9	1,110.4	119.7	544.3	448.0	135.0
1989	11,784.1	5,726.2	3,135.2	1,545.8	135.0	611.8	447.0	183.1
1990	13,441.4	6,248.7	3,897.3	1,959.5	124.1	581.3	490.0	140.5
1991	11,617.3	5,878.6	3,069.9	1,426.1	100.2	548.7	454.0	139.8
1992	11,031.5	4,855.3	3,157.0	1,567.6	53.3	631.4	560.0	206.9
1993	12,972.1	6,314.0	4,245.6	1,241.0	84.9	500.8	435.0	150.8
1994	11,690.0	5,464.9	3,919.0	1,328.1	55.5	446.3	340.0	136.2
1995	13,034.7	6,335.8	4,354.5	1,328.1	93.6	418.0	350.0	154.7
1996	15,562.0	7,076.0	5,356.0	2,111.9	79.5	391.9	355.0	191.7
1997p	13,647.0	6,390.2	4,430.7	1,685.2	84.9	435.4	415.0	205.6
Flaxseed ('000 tonnes)								
1988	327.6	20.3	127.0	180.3	0.0	0.0	0.0	0.0
1989	497.9	43.2	236.2	218.5	0.0	0.0	0.0	0.0
1990	889.0	76.2	431.8	381.0	0.0	0.0	0.0	0.0
1991	635.0	38.1	266.7	330.2	0.0	0.0	0.0	0.0
1992	336.6	19.1	109.2	208.3	0.0	0.0	0.0	0.0
1993	627.4	40.6	342.9	243.9	0.0	0.0	0.0	0.0
1994	960.1	40.6	546.1	373.4	0.0	0.0	0.0	0.0
1995	1,097.3	53.3	640.1	403.9	0.0	0.0	0.0	0.0
1996	851.0	20.3	472.5	358.2	0.0	0.0	0.0	0.0
1997p	966.6	31.8	556.3	378.5	0.0	0.0	0.0	0.0
Canola ('000 tonnes)								
1988	4,218.3	1,973.1	1,542.2	635.0	40.8	27.2	0.0	0.0
1989	3,209.2	1,406.1	1,360.8	385.6	31.8	24.9	0.0	0.0
1990	3,265.9	1,281.4	1,451.5	460.4	29.5	43.1	0.0	0.0
1991	4,224.2	1,621.6	1,723.7	796.1	37.4	45.4	0.0	0.0
1992	3,872.4	1,349.4	1,474.2	986.6	32.7	29.5	0.0	0.0
1993	5,524.9	2,154.6	2,381.4	907.2	43.1	38.6	0.0	0.0
1994	7,232.5	2,472.1	3,175.1	1,485.5	54.4	45.4	0.0	0.0
1995	6,436.4	2,426.7	2,653.8	1,227.0	61.2	68.0	0.0	0.0
1996	5,062.3	1,701.0	2,222.6	1,068.2	19.1	45.4	6.0	0.0
1997p	6,198.0	2,041.2	2,651.2	1,417.5	22.7	54.4	11.0	0.0

Source: Agriculture Division, Statistics Canada

Fig. 20 Acreage of Alberta Wheat, Barley and Canola, 1993-1997

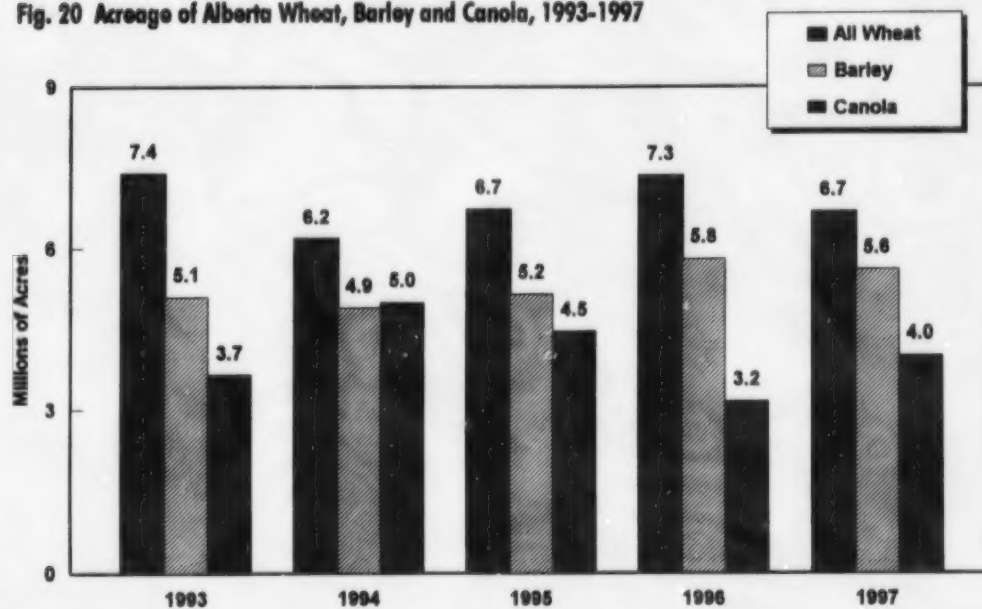
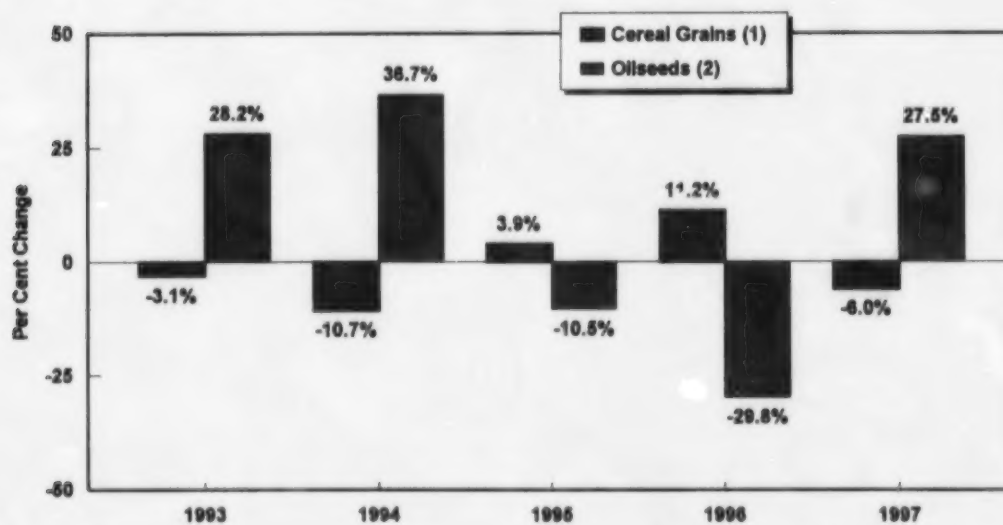


Fig. 21 Acreage of Alberta Cereal Grains and Oilseed Crops, Annual Per Cent Change, 1993-1997



(1) Includes all wheat, barley and oats.
 (2) Includes canola and flaxseed.

Table 30 Acreage of Principal Field Crops, Prairie Provinces and Canada, 1997 (p)

	'000 Acres				% of Canada		
	Alberta	Sask.	Manitoba	Canada	Alberta	Sask.	Manitoba
Seeded Acres							
All Wheat	6,675	17,175	3,880	28,396	23.5	60.5	13.7
Winter Wheat	50	75	40	623	8.0	12.0	6.4
Spring Wheat	5,800	12,550	3,700	22,259	26.1	56.4	16.6
Durum Wheat	825	4,550	140	5,515	15.0	82.5	2.5
Oats	1,400	2,000	800	4,631	30.2	43.2	17.3
Barley	5,600	4,500	1,400	12,404	45.1	36.3	11.3
All Rye	75	190	80	402	18.7	47.3	19.9
Fall Rye	50	175	80	362	13.8	48.3	22.1
Spring Rye	25	15	0	40	62.5	37.5	0.0
Mixed Grains	260	60	30	766	34.0	7.8	3.9
Flaxseed	60	1,250	750	2,060	2.9	60.7	36.4
Canola	4,000	5,600	2,300	12,053	33.2	46.5	19.1
Corn for Grain	4	-	75	2,601	0.2	0.0	2.9
Peas, Dry	385	1,500	205	2,097	18.4	71.5	9.8
Lentils	25	780	8	813	3.1	95.9	1.0
Mustard Seed	145	560	17	722	20.1	77.6	2.4
Sunflower Seed	5	35	85	125	4.0	28.0	68.0
Fodder Corn	15	-	35	501	3.0	0.0	7.0
Tame Hay	4,900	2,800	1,900	15,732	31.1	17.8	12.1
Harvested Acres							
All Wheat	6,625	17,025	3,880	28,187	23.5	60.4	13.8
Winter Wheat	50	75	40	622	8.0	12.1	6.4
Spring Wheat	5,750	12,450	3,700	22,100	26.0	56.3	16.7
Durum Wheat	825	4,500	140	5,465	15.1	82.3	2.6
Oats	1,000	1,650	700	3,703	27.0	44.6	18.9
Barley	5,100	4,350	1,350	11,664	43.7	37.3	11.6
All Rye	60	190	80	386	15.6	49.3	20.8
Fall Rye	50	175	80	361	13.9	48.5	22.2
Spring Rye	10	15	0	25	40.0	60.0	0.0
Mixed Grains	100	20	20	539	18.5	3.7	3.7
Flaxseed	60	1,250	750	2,060	2.9	60.7	36.4
Canola	3,900	5,580	2,280	11,893	32.8	46.9	19.2
Corn for Grain	4	-	75	2,582	0.2	0.0	2.9
Peas, Dry	385	1,500	205	2,095	18.4	71.6	9.8
Lentils	25	780	8	813	3.1	95.9	1.0
Mustard Seed	145	560	17	722	20.1	77.6	2.4
Sunflower Seed	5	35	85	125	4.0	28.0	68.0
Fodder Corn	15	-	30	496	3.0	0.0	6.1
Tame Hay	4,900	2,800	1,900	15,732	31.1	17.8	12.1

Note: Totals may not add up due to rounding.

Source: Agriculture Division of Statistics Canada; and Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Table 31 Alberta Principal Field Crops - Area, Yield and Production, 1993-1997

	Seeded Acres ('000)					Harvested Acres ('000)				
	1993	1994	1995	1996	1997p	1993	1994	1995	1996	1997p
All Wheat	7,390	6,180	6,725	7,345	6,675	7,070	6,075	6,670	7,190	6,625
Winter Wheat	90	80	75	95	50	70	75	70	90	50
Spring Wheat	6,800	5,300	5,900	6,450	5,800	6,500	5,200	5,850	6,300	5,750
Durum Wheat	500	800	750	800	825	500	800	750	800	825
Oats	1,600	1,500	1,200	1,400	1,400	1,200	1,150	750	1,050	1,000
Barley	5,100	4,900	5,150	5,800	5,600	4,500	4,550	4,700	5,300	5,100
All Rye	100	125	100	100	75	80	100	70	80	60
Fall Rye	80	100	75	80	50	65	80	60	70	50
Spring Rye	20	25	25	20	25	15	20	10	10	10
Flaxseed	60	70	90	35	60	60	70	90	35	60
Canola	3,650	5,000	4,450	3,150	4,000	3,640	5,000	4,400	3,000	3,900
Mixed Grains	150	200	250	225	260	75	75	100	60	100
Corn for Grain	5	5	5	3	4	5	5	5	3	4
Peas, Dry	330	420	465	290	385	308	410	445	280	385
Lentils	50	50	40	20	25	38	50	38	20	25
Mustard Seed	70	120	115	90	145	70	120	115	85	145
Sunflower Seed	5	5	5	2	5	5	5	5	2	5
Fodder Corn	10	10	10	13	15	10	10	10	13	15
Sugar Beets	33	35	34	34	35	32	35	34	33	35
Tame Hay	5,100	5,650	5,600	5,350	4,900	5,100	5,650	5,600	5,350	4,900
Total	23,653	24,270	24,239	23,856	23,584	22,193	23,305	23,032	22,501	22,359

	Yield Per Acre					Production ('000 tonnes)				
	1993	1994	1995	1996	1997p	1993	1994	1995	1996	1997p
Units for yield are shown in brackets.										
All Wheat (bu)	39.6	33.8	40.4	39.8	37.9	7,620.2	5,592.7	7,337.3	7,789.1	6,839.3
Winter Wheat (bu)	42.9	37.3	42.9	35.6	36.0	81.6	76.2	81.6	87.1	49.0
Spring Wheat (bu)	39.5	34.1	40.3	40.8	38.7	6,994.3	4,822.5	6,412.0	6,989.0	6,055.5
Durum Wheat (bu)	40.0	31.9	41.3	32.8	32.7	544.3	694.0	843.7	713.0	734.8
Oats (bu)	79.2	67.0	66.7	66.7	63.5	1,465.1	1,187.5	771.1	1,079.5	979.3
Barley (bu)	64.4	55.2	61.9	61.3	57.5	6,314.0	5,464.9	6,335.8	7,076.0	6,390.2
All Rye (bu)	40.0	35.0	34.3	31.5	32.5	81.3	88.9	61.0	64.1	49.6
Fall Rye (bu)	41.5	35.0	36.7	32.1	34.0	68.6	71.1	55.9	57.2	43.2
Spring Rye (bu)	33.3	35.0	20.0	27.0	25.0	12.7	17.8	5.1	6.9	6.4
Flaxseed (bu)	26.7	22.9	23.3	22.9	20.8	40.6	40.6	53.3	20.3	31.8
Canola (bu)	26.1	21.8	24.3	25.0	23.1	2,154.6	2,472.1	2,426.7	1,701.0	2,041.2
Mixed Grains (bu)	72.0	53.3	59.0	60.0	53.0	110.2	81.6	120.4	73.5	108.2
Corn for Grain (bu)	100.0	100.0	100.0	-	100.0	12.7	12.7	12.7	-	10.2
Peas, Dry (bu)	43.5	36.6	34.0	40.4	40.3	364.3	408.0	412.3	307.5	421.8
Lentils (bu)	12.9	15.0	20.8	15.2	12.2	13.2	20.4	21.6	8.3	8.3
Mustard Seed (bu)	27.3	18.6	23.3	15.1	15.4	43.4	50.2	60.2	29.0	50.6
Sunflower Seed (lbs)	1,182.6	1,550.0	1,900.0	1,675.0	1,400.0	2.7	3.4	4.3	1.5	3.2
Fodder Corn (tons)	13.2	11.5	16.0	15.2	12.0	119.8	104.3	145.1	176.9	163.3
Sugar Beets (tons)	16.7	21.2	20.5	20.2	20.0	542.3	737.8	688.5	676.6	635.0
Tame Hay (tons)	1.6	1.8	1.5	1.5	1.0	7,348.2	9,162.6	7,620.4	8,598.0	4,490.6
Total	---	---	---	---	---	26,232.6	25,427.7	26,070.7	27,601.4	22,222.6

Note: Totals may not add up due to rounding.

Source: Agriculture Division of Statistics Canada; and Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Table 32 Production of Principal Field Crops, Prairie Provinces and Canada, 1997 (p)

	Alberta	Sask.	Manitoba	Canada	Alberta	Sask.	Manitoba
	'000 tonnes				% of Canada		
All Wheat	6,839.3	13,070.2	3,350.2	24,270.2	28.2	53.9	13.8
Winter Wheat	49.0	62.6	46.3	915.3	5.4	6.8	5.1
Spring Wheat	6,055.5	9,496.8	3,197.8	19,003.2	31.9	50.0	16.8
Durum Wheat	734.8	3,510.8	106.1	4,351.7	16.9	80.7	2.4
Oats	979.3	1,403.4	735.6	3,484.7	28.1	40.3	21.1
Barley	6,390.2	4,430.7	1,685.2	13,647.0	46.8	32.5	12.3
All Rye	49.6	138.5	58.4	299.7	16.5	46.2	19.5
Fall Rye	43.2	128.3	58.4	283.1	15.3	45.3	20.6
Spring Rye	6.4	10.2	0.0	16.6	38.6	61.4	0.0
Mixed Grains	108.2	20.4	20.4	602.8	17.9	3.4	3.4
Flaxseed	31.8	556.3	378.5	966.6	3.3	57.6	39.2
Canola	2,041.2	2,651.2	1,417.5	6,198.0	32.9	42.8	22.9
Corn for Grain	10.2	-	152.4	7,179.8	0.1	0.0	2.1
Peas, Dry	421.8	1,158.0	178.3	1,762.2	23.9	65.7	10.1
Lentils	8.3	365.1	5.3	378.7	2.2	96.4	1.4
Mustard Seed	50.6	186.4	6.3	243.3	20.8	76.6	2.6
Sunflower Seed	3.2	14.3	47.6	65.1	4.9	22.0	73.1
Fodder Corn	163.3	-	249.5	5,421.9	3.0	0.0	4.6
Tame Hay	4,490.6	1,632.9	1,451.5	21,001.1	21.4	7.8	6.9

Note: Totals may not add up due to rounding.

Source: Agriculture Division of Statistics Canada; and Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Table 33 Summerfallow Area for Alberta Census Divisions, 1991-1997

	1991	1992	1993	1994	1995	1996	1997
Division	'000 acres						
1	543	515	602	519	568	470	472
2	529	570	545	472	465	406	395
3	99	87	56	59	53	35	35
4	624	623	613	630	568	563	526
5	857	833	815	786	722	670	589
6 & 15	113	82	99	72	78	43	148
7	395	333	355	327	333	299	252
8	45	41	35	31	70	12	14
9	6	10	0	10	4	1	1
10	353	267	241	248	239	225	242
11	86	76	50	50	81	29	35
12	82	60	64	57	42	53	57
13	100	78	109	74	7	54	97
14	10	13	3	9	138	2	3
16	18	26	11	11	1	10	17
17	199	162	196	132	164	157	262
18	41	20	26	23	20	28	45
19	277	205	181	190	247	144	310
Province	4,377	4,000	4,000	3,700	3,800	3,200	3,500

Source: Agriculture Division, Statistics Canada

Table 34 Alberta Major Crops - Acreage, 1950-1997

	All Wheat	Oats	Barley	Flaxseed	Canola	All Rye	Total	% Chg.
Seeded Acres ('000)								
1950	7,500	2,617	2,534	48	-	274	12,973	
1951	6,424	2,854	3,041	135	-	284	12,738	-1.8
1952	6,404	2,587	3,336	167	-	339	12,833	0.7
1953	6,417	2,357	3,489	164	-	413	12,840	0.1
1954	5,968	2,354	3,053	215	-	144	11,734	-8.6
1955	5,789	2,649	3,702	248	8	119	12,515	6.7
1956	5,296	2,430	3,606	511	26	84	11,952	-4.5
1957	4,881	2,100	3,714	572	70	114	11,451	-4.2
1958	4,800	2,300	3,720	556	70	112	11,558	0.9
1959	5,500	2,330	3,470	580	37	121	12,038	4.2
1960	5,300	2,320	3,300	565	180	142	11,807	-1.9
1961	5,633	2,330	2,867	362	307	174	11,673	-1.1
1962	5,807	2,646	2,839	340	172	158	11,962	2.5
1963	5,933	2,424	3,408	303	223	200	12,491	4.4
1964	6,495	1,950	3,320	370	404	182	12,721	1.8
1965	6,050	2,200	3,390	355	735	200	12,930	1.6
1966	6,506	2,082	3,880	347	624	172	13,611	5.3
1967	6,380	1,960	4,280	145	875	160	13,800	1.4
1968	6,460	1,960	4,650	285	450	114	13,919	0.9
1969	5,300	1,900	4,900	450	816	180	13,546	-2.7
1970	2,600	2,050	4,500	650	1,450	225	11,475	-15.3
1971	3,443	1,954	5,689	271	1,988	250	13,595	18.5
1972	4,300	1,830	5,200	170	1,300	220	13,020	-4.2
1973	4,700	2,000	5,050	200	1,300	240	13,490	3.6
1974	4,200	1,700	5,200	200	1,150	350	12,800	-5.1
1975	4,500	1,700	5,400	200	1,700	300	13,800	7.8
1976	5,600	1,800	5,550	75	750	184	13,959	1.2
1977	4,800	1,550	5,450	125	1,550	200	13,675	-2.0
1978	5,100	1,450	5,050	100	2,950	250	14,900	9.0
1979	5,200	1,250	4,550	250	3,500	250	15,000	0.7
1980	6,000	1,300	5,500	170	2,200	250	15,420	2.8
1981	6,700	1,300	6,450	100	1,450	300	16,300	5.7
1982	6,800	1,400	6,100	160	1,900	290	16,650	2.1
1983	7,700	1,150	5,100	65	2,500	255	16,770	0.7
1984	7,300	1,700	5,750	80	3,000	195	18,025	7.5
1985	7,600	1,750	6,150	80	2,800	220	18,600	3.2
1986	7,600	1,760	5,900	85	2,800	215	18,360	-1.3
1987	7,270	1,650	5,900	55	2,900	250	18,025	-1.8
1988	6,950	1,850	5,000	35	3,600	290	17,725	-1.7
1989	7,620	1,900	5,450	85	2,700	320	18,075	2.0
1990	7,760	1,600	5,450	135	2,450	260	17,635	-2.3
1991	7,715	1,285	5,404	71	2,982	161	17,619	-0.2
1992	8,045	1,700	4,800	45	2,850	145	17,585	-0.2
1993	7,390	1,600	5,100	60	3,650	100	17,900	1.8
1994	6,180	1,500	4,900	70	5,000	125	17,775	-0.7
1995	6,725	1,200	5,150	90	4,450	100	17,715	-0.3
1996	7,345	1,400	5,800	35	3,150	100	17,830	0.6
1997p	6,675	1,400	5,600	60	4,000	75	17,810	-0.1

Source: Agriculture Division, Statistics Canada

Table 35 Alberta Major Crops - Yield, 1950-1997

	All Wheat	Oats	Barley	Flaxseed	Canola	All Rye
	bushel/acre					
1950	15.6	29.4	22.1	8.3	-	11.9
1951	23.7	47.0	34.5	11.1	-	18.7
1952	26.9	49.9	35.4	13.2	-	20.4
1953	25.7	47.5	31.0	12.2	-	21.3
1954	17.9	31.4	22.9	10.0	-	18.1
1955	23.3	39.6	27.0	12.1	11.2	19.3
1956	26.5	48.7	33.6	13.9	18.0	15.0
1957	19.1	34.4	25.8	8.6	14.8	16.7
1958	20.4	34.5	27.8	11.7	13.0	17.0
1959	20.9	37.9	30.5	11.4	15.9	17.4
1960	19.8	40.3	28.7	9.2	14.7	16.9
1961	15.8	36.9	26.9	11.0	17.1	13.2
1962	19.3	46.5	31.3	10.0	15.5	15.2
1963	25.1	51.2	34.9	12.2	16.0	15.9
1964	22.3	40.5	32.2	11.6	16.0	19.2
1965	25.3	47.3	33.9	13.8	12.9	23.0
1966	29.4	48.5	41.0	15.9	17.6	25.0
1967	22.7	40.8	32.2	11.7	13.9	19.4
1968	25.7	48.0	38.3	15.1	16.7	21.1
1969	26.4	51.6	40.0	14.0	14.3	19.4
1970	27.7	57.1	42.0	16.3	17.6	23.1
1971	26.4	51.7	39.4	12.9	16.1	24.0
1972	27.4	56.8	44.2	15.9	18.5	23.1
1973	27.0	55.5	39.0	14.5	16.5	24.2
1974	24.3	47.1	36.9	12.5	16.3	23.7
1975	30.0	55.3	42.2	16.0	17.9	28.3
1976	32.5	58.9	45.4	16.0	19.7	28.3
1977	24.8	58.1	45.9	16.0	22.9	25.0
1978	29.8	52.4	45.1	20.0	21.0	35.2
1979	28.5	58.4	45.9	17.6	18.1	27.6
1980	33.0	63.1	50.7	19.4	22.7	28.8
1981	34.1	62.3	49.6	22.0	23.1	42.0
1982	32.4	62.9	49.5	20.0	22.6	31.0
1983	32.5	59.1	45.9	18.5	18.8	32.5
1984	24.6	53.9	41.0	15.0	20.0	27.7
1985	23.7	54.5	41.7	13.8	19.6	23.5
1986	34.9	72.3	59.5	22.4	25.0	37.3
1987	29.3	67.5	54.0	21.8	25.3	27.4
1988	27.7	73.8	57.2	22.9	24.2	20.5
1989	31.1	61.9	51.1	20.0	23.0	29.3
1990	33.1	62.6	56.3	22.2	23.1	25.7
1991	37.0	60.0	54.0	21.3	24.0	37.5
1992	30.6	56.0	51.3	18.8	21.6	31.1
1993	39.6	79.2	64.4	26.7	26.1	40.0
1994	33.8	67.0	55.2	22.9	21.8	35.0
1995	40.4	66.7	61.9	23.3	24.3	34.3
1996	39.8	66.7	61.3	22.9	25.0	31.5
1997p	37.9	63.5	57.5	20.8	23.1	32.5

Source: Agriculture Division, Statistics Canada

Table 36 Alberta Major Crops - Production, 1950-1997

	All Wheat	Oats	Barley	Flaxseed	Canola	All Rye	Total	% Chg.
	'000 tonnes							
1950	3,184.2	1,187.5	1,219.2	10.2	-	82.6	5,683.6	
1951	4,136.7	2,066.6	2,286.1	38.1	-	134.6	8,662.1	52.4
1952	4,681.0	1,989.5	2,569.1	55.9	-	175.3	9,470.7	9.3
1953	4,491.0	1,727.0	2,351.0	50.8	-	223.3	8,843.1	-6.6
1954	2,913.0	1,141.0	1,524.0	54.6	-	66.2	5,698.8	-35.6
1955	3,674.0	1,619.0	2,177.0	76.2	2.0	58.0	7,606.2	33.5
1956	3,810.0	1,820.0	2,634.0	180.3	10.5	31.9	8,486.7	11.6
1957	2,531.0	1,110.0	2,090.0	124.5	23.5	48.1	5,927.1	-30.2
1958	2,668.0	1,218.0	2,243.0	165.1	20.6	47.8	6,362.5	7.3
1959	3,130.0	1,357.0	2,308.0	167.6	13.2	53.6	7,029.4	10.5
1960	2,858.0	1,434.0	2,068.0	132.1	59.9	60.9	6,612.9	-5.9
1961	2,422.0	1,326.0	1,676.0	101.6	119.3	58.1	5,703.0	-13.8
1962	3,042.0	1,897.0	1,938.0	86.4	60.3	61.2	7,090.9	24.3
1963	4,055.0	1,912.0	2,591.0	94.0	80.7	81.2	8,813.9	24.3
1964	3,946.0	1,218.0	2,330.0	109.2	146.5	88.9	7,838.6	-11.1
1965	4,164.0	1,604.0	2,504.0	124.5	215.5	116.4	8,728.4	11.4
1966	5,198.0	1,558.0	3,462.0	139.7	249.5	109.0	10,716.2	22.8
1967	3,946.0	1,234.0	3,005.0	43.2	276.7	79.2	8,584.1	-19.9
1968	4,518.0	1,450.0	3,875.0	109.2	170.1	60.7	10,183.0	18.6
1969	3,810.0	1,511.0	4,267.0	160.0	265.4	89.4	10,102.8	-0.8
1970	1,959.0	1,804.0	4,115.0	269.3	578.3	132.2	8,857.8	-12.3
1971	2,477.0	1,558.0	4,877.0	88.9	725.7	152.2	9,878.8	11.5
1972	3,211.0	1,604.0	5,008.0	68.6	544.3	128.7	10,564.6	6.9
1973	3,456.0	1,712.0	4,289.0	73.7	487.6	147.2	10,165.5	-3.8
1974	2,776.0	1,234.0	4,180.0	63.5	424.1	210.2	8,887.8	-12.6
1975	3,674.0	1,450.0	4,964.0	81.3	691.7	216.0	11,077.0	24.6
1976	4,953.0	1,635.0	5,487.0	30.5	335.7	131.7	12,572.9	13.5
1977	3,239.0	1,388.0	5,443.0	50.8	805.1	126.7	11,052.6	-12.1
1978	4,136.0	1,172.0	4,964.0	50.8	1,406.1	223.2	11,952.1	8.1
1979	4,028.0	1,126.0	4,550.0	111.8	1,440.2	175.7	11,431.7	-4.4
1980	5,389.0	1,265.0	6,075.0	83.8	1,134.0	183.3	14,130.1	23.6
1981	6,221.0	1,249.0	6,967.0	55.9	759.8	319.8	15,572.5	10.2
1982	5,988.0	1,357.0	6,575.0	81.3	975.2	228.2	15,204.7	-2.4
1983	6,804.0	1,049.0	5,095.0	30.5	1,066.0	210.4	14,254.9	-6.2
1984	4,883.0	956.0	4,638.0	30.5	1,361.0	137.4	12,005.9	-15.8
1985	4,899.0	925.0	4,768.0	27.9	1,247.0	119.4	11,986.3	-0.2
1986	7,212.3	1,449.7	7,184.9	48.3	1,587.6	142.2	17,625.0	47.0
1987	5,796.6	1,249.2	6,586.2	30.5	1,667.0	121.9	15,451.4	-12.3
1988	5,233.4	1,650.2	6,856.8	20.3	1,973.1	99.1	14,832.9	-4.0
1989	6,457.4	1,480.5	5,726.2	43.2	1,406.1	152.4	15,265.8	2.9
1990	6,994.8	1,110.4	5,248.7	76.2	1,281.4	91.4	15,802.9	3.5
1991	7,772.7	786.5	5,878.6	38.1	1,621.6	76.2	16,173.7	2.3
1992	6,327.6	1,036.4	4,855.3	19.1	1,349.4	75.0	13,662.8	-15.5
1993	7,620.2	1,465.1	5,314.0	40.6	2,154.6	81.3	17,675.8	29.4
1994	5,592.7	1,187.5	5,464.9	40.6	2,472.1	88.9	14,846.7	-16.0
1995	7,337.3	771.1	5,335.8	53.3	2,426.7	61.0	16,985.2	14.4
1996	7,789.1	1,079.5	7,076.0	20.3	1,701.0	64.1	17,730.0	4.4
1997p	6,839.3	979.3	6,390.2	31.8	2,041.2	49.6	16,331.4	-7.9

Source: Agriculture Division, Statistics Canada

Table 37 Alberta Major Crops - Unit Value, 1950-51 to 1996-97

	All Wheat	Oats	Barley	Flaxseed	Canola	All Rye
1950-51	1.56	0.69	1.10	3.50	-	1.32
1951-52	1.51	0.68	1.08	3.90	-	1.54
1952-53	1.53	0.59	1.03	3.10	-	1.33
1953-54	1.30	0.55	0.83	2.37	-	0.76
1954-55	1.25	0.59	0.87	2.45	-	0.88
1955-56	1.32	0.61	0.85	2.75	1.85	0.85
1956-57	1.21	0.49	0.76	2.50	1.75	0.91
1957-58	1.23	0.50	0.74	2.55	1.50	0.81
1958-59	1.31	0.55	0.75	2.63	1.25	0.82
1959-60	1.25	0.63	0.73	3.08	2.00	0.84
1960-61	1.53	0.60	0.79	2.74	1.63	0.81
1961-62	1.72	0.64	1.06	3.32	1.80	1.04
1962-63	1.62	0.60	0.94	3.14	2.04	1.04
1963-64	1.73	0.53	0.93	2.98	2.52	1.17
1964-65	1.55	0.60	0.98	2.94	2.74	1.02
1965-66	1.64	0.68	1.02	2.75	2.41	1.06
1966-67	1.73	0.67	1.03	2.75	2.47	1.09
1967-68	1.61	0.64	0.84	3.08	1.92	1.08
1968-69	1.31	0.53	0.81	2.93	1.83	1.04
1969-70	1.17	0.53	0.62	2.56	2.29	0.88
1970-71	1.35	0.55	0.69	2.24	2.33	0.92
1971-72	1.30	0.50	0.67	2.24	2.16	0.82
1972-73	1.84	0.84	1.26	4.00	3.16	1.54
1973-74	4.24	1.61	2.50	9.17	5.72	2.61
1974-75	3.96	1.52	2.20	9.24	7.06	2.23
1975-76	3.51	1.42	2.31	6.51	5.09	2.64
1976-77	2.80	1.13	1.88	6.78	6.07	2.17
1977-78	2.75	0.95	1.60	5.48	6.39	2.30
1978-79	3.66	1.02	1.72	7.29	6.36	2.55
1979-80	4.86	1.42	2.31	7.56	6.14	3.76
1980-81	5.36	1.79	3.03	8.33	6.38	4.52
1981-82	5.03	1.59	2.50	7.77	6.33	3.63
1982-83	4.54	1.17	1.96	6.20	6.30	2.18
1983-84	4.71	1.56	2.53	8.18	8.60	2.79
1984-85	4.44	1.60	2.71	7.92	7.98	2.49
1985-86	3.55	1.46	2.14	6.93	6.39	2.28
1986-87	2.55	1.06	1.55	4.34	4.47	1.63
1987-88	3.04	1.39	1.45	5.39	5.83	2.13
1988-89	4.60	2.05	2.54	9.30	6.80	2.77
1989-90	3.78	1.30	2.28	8.61	6.06	2.08
1990-91	2.93	1.04	1.80	5.08	5.85	1.70
1991-92	2.85	1.31	1.68	3.94	5.40	1.80
1992-93	2.99	1.51	1.80	5.46	6.24	2.13
1993-94	3.34	1.36	1.67	5.84	7.10	2.21
1994-95	4.69	1.36	2.13	6.81	7.94	2.31
1995-96	5.70	2.61	3.37	7.44	8.44	3.38
1996-97p	4.13	1.56	2.59	8.04	9.03	3.77

Note: Average unit (farm) values are estimated using grade distributions, quantities delivered (marketed) and final prices reported for the crop year. The prices produced are weighted according to these variables.

Source: Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Table 38 Alberta Wheat and Rye Crops by Type - Area/Yield/Production, 1988-1997

	Area (1) ('000 acres)	Yield Per Acre (bushels)	Production ('000 tonnes)
Spring Wheat			
1988	5,800	29.2	4,602.0
1989	6,450	31.3	5,498.0
1990	6,850	33.6	6,260.0
1991	6,886	37.0	6,939.9
1992	7,400	30.6	5,832.3
1993	6,800	39.5	6,994.3
1994	5,300	34.1	4,822.5
1995	5,900	40.3	6,412.0
1996	6,450	40.8	6,989.0
1997p	5,800	38.7	6,055.5
Durum Wheat			
1988	800	20.0	435.4
1989	1,050	30.0	857.3
1990	750	28.7	585.1
1991	745	36.8	745.7
1992	575	30.2	435.4
1993	500	40.0	544.3
1994	800	31.9	694.0
1995	750	41.3	843.7
1996	800	32.8	713.0
1997p	825	32.7	734.8
Winter Wheat			
1988	350	20.6	196.0
1989	120	31.3	102.1
1990	160	34.4	149.7
1991	84	38.1	87.1
1992	70	31.4	59.9
1993	70	42.9	81.6
1994	75	37.3	76.2
1995	70	42.9	81.6
1996	90	35.6	87.1
1997p	50	36.0	49.0
Spring Rye			
1988	20	20.0	10.2
1989	25	24.0	15.2
1990	20	15.0	7.6
1991	15	33.3	12.7
1992	25	28.0	17.8
1993	15	33.3	12.7
1994	20	35.0	17.8
1995	10	20.0	5.1
1996	10	27.0	6.9
1997p	10	25.0	6.4
Fall Rye			
1988	170	20.6	88.9
1989	180	30.0	137.2
1990	120	27.5	83.8
1991	65	38.5	63.5
1992	70	32.1	57.2
1993	65	41.5	68.6
1994	80	35.0	71.1
1995	60	36.7	55.9
1996	70	32.1	57.2
1997p	50	34.0	43.2

(1) Seeded area for spring wheat, durum wheat; harvested area for winter wheat, spring rye and fall rye.

Source: Agriculture Division, Statistics Canada

Table 39 All Wheat - Production Estimates for Alberta Census Divisions, 1988-1997

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997p
C.D.	Seeded Acres ('000)									
1	705.0	690.0	745.0	685.0	675.0	684.0	620.0	663.0	644.0	612.0
2	932.0	962.0	936.0	889.0	889.0	806.0	759.0	696.0	826.0	769.0
3	470.0	460.0	415.0	458.0	405.0	314.0	212.0	208.0	269.0	283.0
4	658.0	712.0	679.0	682.0	642.0	583.0	561.0	525.0	588.0	546.0
5	1,168.0	1,217.0	1,162.0	1,193.0	1,323.0	1,168.0	1,063.0	992.0	1,201.0	1,173.0
6 & 15	277.0	286.0	287.0	310.0	291.0	270.0	200.0	194.0	327.0	366.0
7	755.0	845.0	853.0	895.0	950.0	954.0	841.0	827.0	912.0	876.0
8	100.0	102.0	126.0	145.0	210.0	154.0	137.0	178.0	162.0	110.0
9	1.0	1.0	1.0	3.0	2.0	2.0	0.0	5.0	11.0	8.0
10	773.0	901.0	931.0	892.0	1,040.0	954.0	840.0	867.0	930.0	793.0
11	122.0	162.0	166.0	171.0	159.0	208.0	136.0	224.0	215.0	234.0
12	79.0	100.0	134.0	75.0	76.0	84.0	57.0	52.0	65.0	37.0
13	75.0	101.0	125.0	129.0	174.0	115.0	65.0	246.0	119.0	86.0
14	3.0	4.0	4.0	5.0	8.0	5.0	5.0	57.0	3.0	4.0
16	6.0	8.0	5.0	7.0	15.0	5.0	8.0	3.0	4.0	2.0
17	237.0	292.0	371.0	393.0	390.0	355.0	206.0	332.0	317.0	193.0
18	52.0	69.0	72.0	71.0	83.0	60.0	31.0	37.0	46.0	31.0
19	537.0	708.0	748.0	712.0	713.0	669.0	439.0	619.0	706.0	442.0
Province	6,950.0	7,620.0	7,760.0	7,715.0	8,045.0	7,390.0	6,180.0	6,725.0	7,345.0	6,565.0
	Yield Per Acre (bushels)									
1	15.4	25.5	26.0	40.9	34.6	40.9	33.0	43.3	33.1	32.6
2	26.7	44.1	34.2	42.3	35.9	47.3	39.5	50.0	40.5	41.8
3	17.8	28.7	31.5	35.3	23.4	34.8	34.1	43.2	37.2	39.7
4	8.5	12.5	12.6	29.5	27.7	32.5	25.6	24.3	22.2	21.8
5	30.0	29.4	33.0	36.1	31.9	39.0	33.2	46.2	43.6	37.8
6 & 15	34.9	37.2	41.5	40.3	27.0	38.9	35.7	49.7	44.7	47.9
7	25.6	25.3	35.5	34.8	28.1	39.3	30.6	30.5	38.1	32.8
8	47.0	48.8	52.2	44.5	41.5	47.3	48.7	62.3	53.7	55.5
9	38.0	32.0	34.0	49.0	32.0	44.8	75.8	40.5	52.1	38.4
10	34.9	36.5	34.8	32.1	26.7	41.8	32.5	27.1	40.5	37.9
11	49.7	44.7	53.3	50.5	39.8	53.8	55.9	54.7	60.2	58.3
12	32.4	34.5	31.3	25.8	23.6	40.2	37.6	30.0	42.6	41.0
13	45.6	41.3	45.7	48.3	36.6	49.5	47.3	49.2	48.6	48.8
14	43.0	32.3	34.3	49.0	30.0	34.6	25.4	28.7	0.0	29.8
16	36.7	32.3	34.2	26.0	23.2	41.7	24.9	31.0	28.6	31.0
17	41.5	33.0	34.6	36.4	29.0	30.6	27.6	33.2	41.2	46.7
18	41.1	32.2	36.3	36.3	29.3	28.8	28.7	44.7	41.8	26.2
19	42.8	31.7	37.2	36.6	29.5	33.9	34.4	49.0	41.6	39.6
Province	27.7	31.1	33.1	37.0	30.6	39.6	33.8	40.4	39.8	37.9
	Production ('000 tonnes)									
1	295.4	478.0	530.7	773.3	608.9	707.2	546.1	782.3	587.2	552.3
2	674.4	1,154.5	882.0	1,026.4	798.1	997.2	814.3	940.1	909.7	888.5
3	227.4	359.5	358.7	441.0	201.8	274.3	189.2	240.0	276.1	306.7
4	151.7	242.8	235.6	550.1	469.7	491.1	382.9	339.5	350.0	328.8
5	949.8	972.0	1,052.8	1,175.4	1,084.2	1,200.2	946.8	1,251.2	1,439.1	1,230.4
6 & 15	262.5	288.9	326.2	340.0	190.1	275.7	189.4	258.7	392.7	486.6
7	525.1	580.7	830.2	857.4	707.9	974.5	689.2	681.6	958.9	789.5
8	128.0	135.6	179.3	175.6	229.4	190.3	171.0	299.4	236.3	168.1
9	1.0	0.9	0.0	4.0	1.7	1.9	0.2	5.4	15.2	8.4
10	732.0	894.9	890.6	781.4	729.6	1,045.0	731.8	631.0	1,023.9	827.2
11	164.7	197.6	242.7	235.0	166.7	294.6	203.9	336.0	349.7	378.5
12	69.8	93.9	114.1	54.1	46.2	89.1	57.6	40.1	75.7	42.5
13	93.4	113.7	156.2	169.6	171.1	148.3	82.0	328.9	154.2	114.5
14	3.5	3.5	3.7	6.8	6.1	3.8	3.0	45.1	0.0	3.7
16	5.9	7.0	4.8	5.0	9.2	4.1	5.1	2.2	2.2	1.8
17	267.1	262.1	351.9	389.3	281.5	281.7	152.2	289.7	314.7	232.4
18	57.6	60.6	71.1	77.2	65.5	43.5	23.7	45.1	50.8	21.2
19	624.1	611.2	764.2	711.1	559.9	597.7	404.2	821.0	652.7	458.3
Province	5,233.4	6,457.4	6,994.8	7,772.7	6,327.6	7,620.2	5,592.7	7,337.3	7,789.1	6,839.3

Source: Agriculture Division, Statistics Canada

Table 40 Barley (1) - Production Estimates for Alberta Census Divisions, 1988-1997

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997p
C.D.	Harvested Acres ('000)									
1	52.0	53.0	61.0	63.0	46.0	61.0	77.0	90.0	108.0	99.0
2	256.0	265.0	265.0	317.0	292.0	299.0	323.0	392.0	395.0	394.0
3	331.0	390.0	390.0	372.0	387.0	390.0	391.0	423.0	436.0	476.0
4	34.0	40.0	45.0	55.0	49.0	62.0	79.0	54.0	90.0	77.0
5	374.0	397.0	425.0	464.0	428.0	454.0	451.0	522.0	570.0	570.0
6 & 15	508.0	558.0	520.0	520.0	465.0	476.0	551.0	535.0	571.0	581.0
7	346.0	380.0	379.0	436.0	360.0	391.0	422.0	437.0	467.0	440.0
8	537.0	568.0	570.0	574.0	527.0	529.0	488.0	470.0	537.0	443.0
9	34.0	38.0	22.0	28.0	17.0	13.0	19.0	11.0	15.0	8.0
10	607.0	660.0	645.0	635.0	568.0	544.0	598.0	569.0	692.0	652.0
11	461.0	494.0	501.0	454.0	390.0	390.0	338.0	319.0	388.0	358.0
12	174.0	203.0	183.0	162.0	125.0	161.0	160.0	179.0	203.0	184.0
13	401.0	433.0	432.0	407.0	265.0	303.0	309.0	315.0	400.0	334.0
14	10.0	14.0	15.0	14.0	16.0	6.0	9.0	5.0	7.0	7.0
16	19.0	18.0	19.0	23.0	14.0	15.0	18.0	23.0	11.0	15.0
17	211.0	269.0	254.0	193.0	168.0	148.0	117.0	159.0	156.0	183.0
18	30.0	26.0	25.0	26.0	12.0	16.0	11.0	10.0	7.0	22.0
19	315.0	344.0	349.0	257.0	221.0	242.0	189.0	187.0	246.0	257.0
Province	4,700.0	5,150.0	5,100.0	5,000.0	4,350.0	4,500.0	4,550.0	4,700.0	5,300.0	5,100.0
	Yield per Acre (bushels)									
1	42.8	44.6	45.5	58.7	55.6	58.1	49.9	63.0	45.2	46.8
2	59.0	68.6	66.8	67.3	57.4	72.3	62.7	72.5	69.7	68.8
3	27.8	45.1	52.1	54.6	44.5	52.9	52.6	57.8	47.5	60.1
4	23.5	24.1	26.5	41.7	42.9	51.1	42.2	41.3	42.2	36.1
5	50.2	44.6	52.2	54.6	55.2	64.1	50.2	69.0	65.6	57.0
6 & 15	57.1	56.2	59.1	58.2	47.3	65.0	58.7	70.2	66.9	65.8
7	45.9	40.7	52.6	48.2	45.2	61.0	49.5	48.7	54.4	48.6
8	71.7	60.3	58.5	61.4	63.8	69.9	63.9	73.8	71.7	68.3
9	66.0	52.1	50.2	60.0	50.7	54.4	58.6	65.2	56.5	52.2
10	55.5	53.2	53.2	44.2	46.7	65.4	51.7	45.3	59.3	52.6
11	68.7	55.6	68.3	63.0	59.7	75.7	62.0	68.4	66.0	62.8
12	54.8	45.5	54.1	31.6	33.8	63.2	52.3	43.5	60.8	51.7
13	68.4	47.1	63.5	60.2	56.2	71.8	58.9	68.7	62.5	51.5
14	73.6	38.1	55.1	60.0	36.1	68.9	54.3	58.7	61.8	60.8
16	55.0	40.2	45.2	31.4	29.6	49.9	40.0	41.4	45.0	44.6
17	55.0	46.2	43.4	48.1	45.0	49.2	45.0	49.9	50.8	49.2
18	55.0	47.3	55.1	46.7	51.3	43.6	42.3	66.3	45.6	41.2
19	57.0	51.2	48.1	48.0	44.7	54.9	49.8	69.9	59.1	50.9
Province	57.2	51.1	56.3	54.0	51.3	64.4	55.2	61.9	61.3	57.5
	Production ('000 tonnes)									
1	49.4	50.2	60.2	80.5	56.2	77.1	83.6	123.5	106.4	100.7
2	331.5	392.5	386.3	459.2	365.1	470.9	440.4	619.6	599.2	589.6
3	201.5	380.5	443.5	437.5	374.6	449.2	447.4	532.5	450.6	623.2
4	17.1	21.1	26.1	49.5	45.4	69.0	73.0	48.9	83.0	60.3
5	411.1	383.5	484.7	551.6	514.0	633.2	493.0	783.1	813.9	708.1
6 & 15	636.8	678.6	671.3	648.9	478.8	673.3	704.4	818.1	831.5	832.6
7	347.6	334.3	435.5	453.3	354.3	519.6	455.2	462.5	553.2	466.3
8	844.2	739.9	728.5	767.3	732.3	805.2	678.6	754.6	838.1	658.7
9	49.4	43.2	24.1	35.6	18.6	15.4	24.0	16.2	18.1	8.8
10	738.5	760.9	751.7	611.1	577.0	774.8	673.2	561.2	893.5	746.8
11	694.2	594.3	747.6	617.5	507.7	643.1	455.7	475.4	557.7	489.9
12	209.6	199.8	215.7	111.5	92.0	221.4	183.7	169.3	269.0	207.5
13	601.5	441.7	599.1	526.7	324.5	473.4	395.9	471.7	544.6	374.6
14	16.1	12.0	18.1	17.8	12.2	9.0	10.7	6.5	9.4	8.6
16	23.2	16.1	19.1	15.7	8.7	16.3	16.0	20.9	11.2	14.5
17	254.9	269.0	240.8	199.9	165.0	158.4	114.2	172.7	172.5	195.4
18	36.3	27.1	30.1	26.4	13.4	15.2	10.5	14.2	7.3	19.5
19	393.9	381.5	366.3	268.6	215.5	289.5	205.3	284.9	316.9	285.1
Province	5,856.8	5,726.2	6,248.7	5,878.6	4,855.3	6,314.0	5,464.9	6,335.8	7,076.0	6,390.2

(1) Barley for Grain.

Source: Agriculture Division, Statistics Canada

Table 41 Oats (1) - Production Estimates for Alberta Census Divisions, 1988-1997

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997p
C.D.	Harvested Acres ('000)									
1	20.0	19.0	12.0	5.0	5.4	13.4	13.0	11.0	11.0	10.0
2	16.0	22.0	22.0	15.0	17.7	7.4	8.0	6.0	10.0	10.0
3	30.0	49.0	29.0	10.0	17.5	26.6	28.0	16.0	14.0	22.0
4	44.0	52.0	30.0	55.0	42.7	60.1	77.0	43.0	67.0	61.0
5	37.0	46.0	44.0	25.0	29.2	28.6	22.0	15.0	22.0	17.0
6 & 15	67.0	92.0	58.0	40.0	53.6	41.6	37.0	25.0	34.0	46.0
7	175.0	191.0	157.0	127.0	120.7	135.6	115.0	88.0	142.0	113.0
8	55.0	57.0	32.0	30.0	57.2	38.5	36.0	30.0	26.0	52.0
9	23.0	23.0	13.0	15.0	8.2	18.5	29.0	12.0	12.0	14.0
10	238.0	242.0	189.0	153.0	213.0	223.5	186.0	94.0	192.0	171.0
11	186.0	183.0	133.0	80.0	141.9	149.2	123.0	86.0	119.0	109.0
12	78.0	83.0	45.0	30.0	45.7	60.0	56.0	39.0	72.0	65.0
13	182.0	166.0	125.0	125.0	123.5	134.0	157.0	116.0	145.0	131.0
14	17.0	16.0	9.0	15.0	23.0	16.7	20.0	10.0	14.0	21.0
16	34.0	32.0	23.0	15.0	39.0	22.4	28.0	11.0	20.0	15.0
17	92.0	129.0	85.0	40.0	108.4	81.1	91.0	65.0	66.0	45.0
18	19.0	11.0	23.0	15.0	24.9	15.9	19.0	29.0	11.0	34.0
19	137.0	137.0	121.0	55.0	128.4	126.9	105.0	54.0	71.0	64.0
Province	1,450.0	1,550.0	1,150.0	850.0	1,200.0	1,200.0	1,150.0	750.0	1,050.0	1,000.0
	Yield Per Acre (bushels)									
1	27.5	39.4	37.6	72.0	64.1	83.3	60.0	65.3	52.0	42.7
2	78.1	68.4	57.7	82.0	71.0	76.3	82.0	90.3	53.5	65.4
3	33.0	51.6	60.9	61.0	52.0	79.3	48.4	66.5	49.0	78.7
4	30.7	24.9	28.5	51.0	54.7	62.2	49.4	39.1	40.7	38.5
5	55.4	44.9	54.9	54.4	58.8	81.3	56.6	82.1	64.0	51.5
6 & 15	75.2	64.0	72.0	61.5	65.2	81.3	67.9	86.5	80.8	83.4
7	55.1	46.9	56.9	57.4	53.5	71.5	55.3	47.9	59.2	48.6
8	91.8	73.4	78.9	69.3	70.9	82.4	75.5	73.4	82.3	78.0
9	72.0	72.2	60.6	69.3	61.8	79.5	84.8	81.6	61.2	73.9
10	68.0	65.5	60.8	48.8	48.8	75.1	66.8	54.0	69.7	63.2
11	91.9	71.0	73.3	75.0	59.4	89.0	82.7	81.6	70.2	65.6
12	69.0	54.3	53.5	36.0	35.1	70.9	61.3	43.3	67.4	68.3
13	91.7	72.9	72.2	63.6	56.1	91.0	73.9	76.8	74.2	67.1
14	87.2	61.4	60.6	64.7	52.9	69.6	75.1	62.2	41.8	57.0
16	75.4	53.0	60.7	36.0	40.6	89.5	60.1	43.7	63.6	55.9
17	71.3	62.8	58.5	69.5	63.1	74.9	60.2	65.8	66.5	71.2
18	71.4	66.3	60.7	70.0	56.9	77.5	63.4	70.3	68.6	62.7
19	88.4	72.7	65.4	69.3	60.0	82.3	72.3	93.3	78.8	69.9
Province	73.8	61.9	62.6	60.0	56.0	79.2	67.0	66.7	66.7	63.5
	Production ('000 tonnes)									
1	8.0	11.9	7.1	5.5	5.4	17.3	12.5	10.8	8.9	6.4
2	19.0	22.9	19.8	19.0	19.4	8.7	10.5	8.3	8.6	9.8
3	15.0	39.3	26.6	9.4	14.0	32.6	21.3	16.0	10.2	26.3
4	21.0	20.1	13.1	43.5	36.0	57.6	58.5	25.8	42.2	36.1
5	32.0	32.0	37.0	21.0	26.5	35.8	19.0	19.0	21.4	13.7
6 & 15	78.0	91.4	64.7	37.9	53.9	52.2	39.0	33.5	42.3	59.5
7	149.0	139.0	138.6	112.5	99.6	149.7	97.6	64.9	129.7	84.7
8	78.0	64.9	38.3	32.1	62.5	49.0	41.7	33.9	33.4	62.8
9	26.0	25.6	12.2	16.0	7.8	22.7	38.3	14.9	11.7	15.6
10	250.0	245.2	176.5	115.8	160.5	258.6	191.6	78.5	206.4	166.9
11	263.2	201.2	150.5	92.5	130.0	204.9	156.4	108.7	129.2	110.0
12	83.0	69.5	37.3	16.7	24.7	65.5	52.6	26.0	75.2	68.0
13	256.0	186.5	139.8	123.4	106.8	187.9	178.9	137.4	166.1	135.8
14	23.0	14.6	7.9	15.0	18.7	18.0	23.1	9.9	9.2	18.7
16	40.0	26.5	21.5	8.3	24.4	30.9	26.4	7.6	19.1	12.8
17	101.0	125.3	76.7	42.9	105.5	93.7	84.1	63.6	68.1	49.7
18	21.0	11.0	21.5	16.2	21.9	19.0	18.6	32.0	12.0	33.2
19	187.0	153.6	121.3	58.8	118.8	161.0	117.4	80.3	85.8	69.2
Province	1,650.2	1,480.5	1,110.4	786.5	1,036.4	1,465.1	1,187.5	771.1	1,079.5	979.3

(1) Oats for Grain.

Source: Agriculture Division, Statistics Canada

Table 42 All Rye - Production Estimates for Alberta Census Divisions, 1988-1997

A.R.A.	1988	1989	1990	C.D.	1991	1992	1993	1994	1995	1996	1997p
Harvested Acres ('000)											
1	42.5	46.7	36.8	1	3.0	2.1	3.7	13.0	1.0	5.0	2.0
2	57.4	55.8	37.3	2	7.6	8.7	6.7	4.0	2.0	1.0	4.0
3	29.0	38.4	26.0	3	3.0	6.5	2.3	1.0	3.0	0.0	3.0
4A	44.3	44.7	27.2	4	16.8	7.6	9.4	14.0	12.0	10.0	12.0
4B	6.8	7.7	5.2	5	10.7	16.7	14.0	3.0	11.0	19.0	13.0
5	4.2	4.8	3.5	6 & 15	17.5	19.4	8.3	32.0	13.0	10.0	6.0
6	2.1	2.5	1.7	7	12.2	11.7	22.7	19.0	18.0	27.0	13.0
7	3.7	4.4	2.3	8	2.3	3.0	1.2	2.0	1.0	2.0	1.0
Note: Data from 1988 to 1990 are only available for Statistics Canada Agricultural Reporting Areas (ARA). ARAs by census divisions:											
ARA 1 = CDs 1 & 4 ARA 4B = CD 10											
ARA 2 = CDs 2 & 5 ARA 5 = CDs 8, 9 & 11											
ARA 3 = CDs 3, 6 & 15 ARA 6 = CDs 12, 13, 14 & 16											
ARA 4A = CD 7 ARA 7 = CDs 17, 18 & 19											
Province	190.0	205.0	140.0		80.0	95.0	80.0	100.0	70.0	80.0	60.0
Yield Per Acre (bushels)											
1	8.8	18.3	12.6	1	37.5	31.3	34.2	30.3	29.4	20.9	28.3
2	17.9	32.8	28.6	2	27.5	33.6	40.2	39.7	26.6	29.7	35.3
3	21.1	36.2	35.7	3	41.3	32.9	52.0	40.3	39.9	0.0	44.0
4A	20.0	29.2	22.8	4	30.2	30.5	33.5	27.0	24.1	20.5	21.8
4B	22.8	28.5	33.0	5	38.6	33.5	53.4	30.5	53.4	30.3	41.0
5	26.9	37.7	23.2	6 & 15	43.5	31.1	38.0	45.7	39.9	51.8	43.3
6	20.9	34.1	24.3	7	34.1	34.5	35.8	30.2	23.8	32.4	27.9
7	30.7	26.7	24.8	8	33.3	25.4	50.6	41.7	19.6	32.6	52.5
				9	33.3	32.2	0.0	0.0	0.0	0.0	0.0
				10	33.3	22.9	39.8	24.8	19.6	26.2	24.5
				11	37.5	34.0	17.5	0.0	0.0	0.0	0.0
				12	30.0	0.0	29.7	0.0	0.0	0.0	0.0
				13	45.0	26.2	35.9	0.0	0.0	30.6	0.0
				14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				16	0.0	19.5	39.8	33.0	0.0	0.0	0.0
				17	35.0	28.8	42.0	14.2	19.6	20.4	0.0
				18	0.0	24.5	0.0	0.0	0.0	0.0	0.0
				19	35.0	27.3	24.9	31.2	34.3	0.0	28.9
Province	20.5	29.3	25.7		37.5	31.1	40.0	35.0	34.3	31.5	32.5
Production ('000 tonnes)											
1	12.8	21.7	12.4	1	3.0	1.7	3.2	10.1	0.5	2.8	1.2
2	29.8	46.7	28.5	2	5.6	7.4	6.8	4.4	1.6	1.0	3.9
3	17.5	35.4	24.6	3	3.3	5.4	2.9	1.0	3.2	0.0	2.8
4A	25.7	33.3	16.4	4	13.4	5.9	8.0	9.8	5.1	5.0	6.7
4B	4.4	5.6	4.6	5	11.0	14.3	18.9	2.4	20.0	14.5	13.2
5	3.8	4.6	2.2	6 & 15	20.2	15.5	8.0	36.8	15.6	13.5	7.0
6	1.2	2.1	1.1	7	10.9	10.3	21.0	14.5	9.0	22.5	9.4
7	3.9	3.0	1.6	8	2.8	1.9	1.5	1.8	0.6	1.4	1.4
				9	0.5	0.3	0.0	0.0	0.0	0.0	0.0
				10	2.0	2.6	5.6	5.5	3.2	1.9	2.5
				11	1.5	1.3	0.3	0.0	0.1	0.0	0.0
				12	0.6	0.0	0.2	0.0	0.0	0.0	0.0
				13	0.0	2.2	1.7	0.0	0.5	0.0	0.0
				14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				16	0.0	0.5	0.2	2.3	0.0	0.0	0.0
				17	0.7	0.7	2.7	0.0	0.3	1.5	0.0
				18	0.0	0.8	0.0	0.0	0.0	0.0	0.0
				19	0.7	4.2	0.3	0.3	1.3	0.0	1.4
Province	99.1	152.4	91.4		76.2	75.0	81.3	58.9	61.0	64.1	49.6

Source: Agriculture Division, Statistics Canada

Table 43 Canola - Production Estimates for Alberta Census Divisions, 1988-1997

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997p
C.D.	Seeded Acres ('000)									
1	25.0	16.0	15.0	22.0	25.0	43.0	117.0	123.3	68.2	88.0
2	81.0	39.0	36.0	67.0	71.0	106.0	199.0	200.4	122.2	138.0
3	51.0	30.0	27.0	33.0	50.0	75.0	153.0	116.7	78.0	73.0
4	33.0	27.0	16.0	52.0	41.0	77.0	144.0	145.8	52.2	89.0
5	267.0	192.0	138.0	198.0	198.0	296.0	456.0	479.6	337.3	430.0
6 & 15	199.0	172.0	132.0	155.0	179.0	177.0	224.0	249.2	128.4	174.0
7	586.0	463.0	366.0	380.0	428.0	495.0	602.0	572.0	425.8	520.0
8	182.0	161.0	160.0	152.0	150.0	154.0	313.0	223.7	139.9	161.0
9	4.0	3.0	3.0	4.0	1.0	1.0	1.0	2.1	1.1	4.0
10	754.0	619.0	556.0	655.0	601.0	702.0	886.0	698.6	495.4	687.0
11	134.0	84.0	77.0	150.0	119.0	219.0	252.0	224.7	202.4	293.0
12	148.0	115.0	106.0	111.0	78.0	114.0	140.0	115.9	86.5	94.0
13	199.0	131.0	173.0	118.0	96.0	12.0	230.0	197.1	98.3	178.0
14	1.0	1.0	1.0	1.0	0.0	147.0	2.0	0.0	1.1	0.0
16	10.0	8.0	7.0	13.0	20.0	0.0	10.0	8.3	8.9	6.0
17	378.0	246.0	234.0	297.0	224.0	342.0	462.0	423.3	357.1	410.0
18	56.0	40.0	44.0	41.0	55.0	43.0	46.0	36.2	23.2	27.0
19	492.0	353.0	359.0	533.0	514.0	647.0	763.0	633.1	524.0	629.0
Province	3,600.0	2,700.0	2,450.0	2,982.0	2,850.0	3,650.0	5,000.0	4,450.0	3,150.0	4,000.0
	Yield Per Acre (bushels)									
1	23.5	40.0	40.3	30.9	31.0	33.6	25.0	30.6	25.7	22.7
2	30.2	31.5	32.0	34.5	30.7	36.9	26.0	33.4	30.2	28.9
3	14.4	22.3	23.1	23.1	23.9	27.8	23.2	26.8	20.7	25.3
4	16.0	8.0	12.8	18.8	20.4	24.1	20.1	19.8	20.5	14.4
5	24.8	21.1	22.8	27.2	22.1	29.5	21.5	28.4	27.7	24.3
6 & 15	25.6	22.8	23.1	22.7	17.6	24.8	20.7	24.2	25.0	26.9
7	21.9	19.6	21.1	26.5	21.0	26.6	22.1	22.5	24.8	21.6
8	28.9	24.5	24.0	24.4	24.9	27.5	25.4	26.4	30.8	29.9
9	23.9	22.5	22.8	20.0	20.8	15.3	18.0	21.7	22.0	25.7
10	24.1	23.4	23.2	21.9	19.8	25.3	20.7	19.1	23.6	24.4
11	29.0	23.7	28.4	31.5	28.1	31.1	27.9	32.3	33.8	33.2
12	24.0	20.8	21.5	15.3	18.3	24.0	18.5	17.3	24.4	24.9
13	24.2	20.0	23.9	24.4	24.6	26.7	20.4	23.5	28.1	26.4
14	23.7	22.5	22.5	22.5	0.0	0.0	10.2	0.0	0.0	0.0
16	24.0	22.5	22.6	15.8	14.7	20.4	14.2	14.4	22.6	13.3
17	20.3	19.3	17.7	21.0	18.3	22.2	19.0	21.2	19.4	16.3
18	26.5	22.5	22.6	20.9	22.8	19.4	19.5	22.3	13.1	14.1
19	25.2	22.2	18.1	21.1	21.7	22.9	21.3	24.9	22.7	16.9
Province	24.2	23.0	23.1	24.0	21.6	26.1	21.8	24.3	25.0	23.1
	Production ('000 tonnes)									
1	13.2	15.7	14.1	16.4	14.7	31.9	66.2	86.6	39.6	45.8
2	55.9	29.4	27.5	58.7	47.7	90.8	117.3	153.4	83.4	91.7
3	16.7	15.7	14.7	18.5	19.2	47.5	80.3	67.0	36.2	41.8
4	12.2	5.1	4.8	25.6	20.0	42.1	65.8	61.6	23.9	27.6
5	151.1	96.4	74.9	125.1	92.5	201.8	222.2	311.6	209.6	236.2
6 & 15	116.4	93.5	72.9	79.8	44.0	100.0	105.1	137.4	71.7	106.0
7	293.3	215.7	184.4	229.1	212.6	302.4	301.7	292.0	237.6	254.9
8	119.8	94.1	91.7	85.7	82.2	96.7	180.1	135.9	97.5	110.1
9	2.3	1.7	1.5	1.8	0.5	0.2	0.4	1.1	0.5	2.4
10	414.8	346.0	308.2	330.5	272.0	405.2	416.3	294.7	257.5	382.4
11	88.8	47.4	52.3	108.5	79.0	157.0	159.8	165.8	154.5	221.0
12	80.9	57.0	54.6	39.5	30.4	62.5	58.5	41.1	42.1	51.4
13	110.1	62.5	3.7	69.2	56.1	5.8	106.4	98.8	59.8	101.8
14	0.6	0.4	98.3	0.5	0.0	91.0	0.5	0.0	0.1	0.0
16	5.6	4.1	0.4	4.7	4.1	0.0	3.1	2.8	2.6	1.9
17	174.8	113.4	99.0	145.5	89.8	166.7	198.6	195.9	145.4	133.3
18	34.0	21.3	23.7	19.4	27.8	18.2	20.3	18.0	5.4	7.3
19	282.6	186.7	154.7	263.1	256.8	334.8	369.5	363.0	233.6	225.6
Province	1,973.1	1,406.1	1,281.4	1,621.6	1,349.4	2,154.6	2,472.1	2,426.7	1,701.0	2,041.2

Source: Agriculture Division, Statistics Canada

Table 44 Flaxseed - Production Estimates for Alberta Census Divisions, 1988-1997

A.R.A.	1988	1989	1990	C.D.	1991	1992	1993	1994	1995	1996	1997p
Seedbed Acres ('000)											
1	6.7	16.7	26.6	1	5.1	0.9	2.4	5.0	5.0	1.0	2.0
2	11.5	29.5	36.3	2	11.7	6.0	14.0	9.0	13.0	4.0	11.0
3	2.0	3.2	4.9	3	1.1	0.4	1.1	2.0	3.0	2.0	4.0
4A	6.7	16.7	15.4	4	1.5	0.0	0.0	2.0	4.0	1.0	5.0
4B	3.9	9.8	16.7	5	11.2	7.2	9.7	10.0	9.0	3.0	8.0
5	0.9	2.1	3.3	6 & 15	1.6	0.0	0.6	1.0	0.0	1.0	0.0
6	0.9	2.1	3.3	7	6.6	3.6	6.5	14.0	7.0	2.0	3.0
7	2.4	4.9	28.5	8	1.2	0.0	0.0	0.0	0.0	0.0	0.0
				9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				10	16.6	17.3	12.9	16.0	22.0	7.0	20.0
				11	0.7	3.5	0.4	0.0	0.0	1.0	2.0
				12	1.2	0.7	2.3	0.0	0.0	1.0	2.0
				13	1.0	0.0	0.7	0.0	3.0	1.0	1.0
				14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				17	4.6	2.2	3.7	1.0	1.0	7.0	1.0
				18	0.7	0.0	0.4	0.0	0.0	0.0	0.0
				19	5.7	3.2	5.3	10.0	23.0	7.0	12.0
Province	35.0	85.0	135.0		70.5	45.6	60.0	70.0	90.0	35.0	60.0
Yield Per Acre (bushels)											
1	26.6	22.0	27.4	1	36.0	27.6	34.4	19.2	23.5	24.8	12.0
2	23.6	22.7	25.2	2	28.0	30.0	38.5	25.5	32.1	24.8	34.9
3	17.5	19.3	18.3	3	15.0	18.9	25.1	24.9	17.1	18.4	15.7
4A	18.7	14.4	21.1	4	15.0	0.0	0.0	29.7	22.4	28.6	16.1
4B	22.7	19.3	24.3	5	30.0	27.8	28.8	20.5	27.7	18.3	18.2
5	22.6	17.5	25.4	6 & 15	0.0	0.0	26.2	24.7	0.0	0.0	0.0
6	22.6	19.6	23.0	7	23.0	19.8	20.0	20.3	18.3	23.7	19.8
7	20.1	19.2	16.3	8	20.0	0.0	0.0	0.0	0.0	0.0	0.0
				9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				10	17.2	14.7	22.3	23.1	15.7	26.0	15.4
				11	0.0	17.0	9.8	0.0	0.0	0.0	32.2
				12	0.0	11.3	17.1	0.0	0.0	0.0	15.1
				13	0.0	0.0	0.0	0.0	0.0	0.0	14.9
				14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				17	11.0	14.7	18.1	27.1	19.7	12.5	0.0
				18	12.5	0.0	0.0	0.0	0.0	0.0	0.0
				19	11.5	14.6	23.8	23.9	27.4	22.6	23.0
Province	22.9	20.0	22.2		21.3	18.8	26.7	22.9	23.3	22.9	20.8
Production ('000 tonnes)											
1	4.6	9.4	18.0	1	4.8	0.7	2.1	2.5	3.1	0.8	0.5
2	7.0	16.9	22.5	2	8.5	4.2	13.7	5.9	10.2	3.5	8.6
3	0.9	1.6	2.2	3	0.4	0.0	0.7	1.3	1.5	1.2	1.2
4A	3.3	6.1	8.1	4	0.6	0.0	0.0	1.4	2.4	0.6	1.6
4B	2.3	4.8	10.0	5	8.7	2.0	7.1	5.1	6.0	2.2	3.1
5	0.5	1.0	2.1	6 & 15	0.0	0.0	0.4	0.5	0.0	0.0	0.0
6	0.5	1.1	1.9	7	3.9	1.9	3.3	7.1	3.8	2.2	1.5
7	1.2	2.3	11.4	8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
				9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				10	7.4	6.9	7.3	9.8	8.9	6.4	6.8
				11	0.0	1.6	0.1	0.0	0.0	0.0	1.7
				12	0.0	0.2	1.0	0.0	0.0	0.0	0.7
				13	0.0	0.0	0.0	0.0	0.0	0.0	0.3
				14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				17	1.3	0.9	1.7	0.9	0.8	0.1	0.0
				18	0.2	0.0	0.0	0.0	0.0	0.0	0.0
				19	1.7	0.7	3.2	6.1	16.7	3.3	5.7
Province	20.3	43.2	76.2		38.1	19.1	40.6	40.6	53.3	20.3	31.8

Table 45 Tame Hay - Production Estimates for Alberta Census Divisions, 1988-1997

A.R.A.	1988	1989	1990	C.D.	1991	1992	1993	1994	1995	1996	1997p
Harvested Acres ('000)											
1	215.0	203.0	207.0	1	82.0	96.3	126.1	117.3	126.0	85.9	78.6
2	335.0	319.0	336.0	2	228.0	220.1	202.3	259.3	265.0	229.9	210.5
3	395.0	380.0	387.0	3	156.0	137.6	190.7	184.5	251.0	194.7	178.4
4A	213.0	211.0	230.0	4	124.0	199.5	234.2	258.0	230.0	259.5	237.7
4B	253.0	253.0	276.0	5	105.0	138.9	148.7	153.5	152.0	156.0	142.9
5	1,026.0	956.0	967.0	6 & 15	283.0	392.2	292.9	349.9	402.0	374.7	343.2
6	1,082.0	1,030.0	1,049.0	7	223.0	316.5	294.0	324.4	310.0	317.7	291.0
7	1,131.0	998.0	998.0	8	332.0	344.0	359.6	398.9	420.0	421.7	386.2
				9	139.0	162.4	146.2	229.3	131.0	166.1	152.1
				10	294.0	337.1	357.7	413.8	419.0	372.7	341.4
				11	560.0	646.7	612.0	573.2	644.0	543.9	498.2
				12	237.0	282.0	268.7	269.2	292.0	261.1	239.2
				13	657.0	825.5	725.6	727.7	681.0	648.5	594.0
				14	97.0	96.3	139.5	89.7	139.0	69.4	63.5
				16	112.0	115.6	92.4	109.7	100.0	94.1	86.2
				17	270.0	378.4	403.4	473.6	429.0	486.7	445.8
				18	98.0	89.4	73.1	149.6	100.0	140.9	129.0
				19	339.0	371.5	432.9	568.4	509.0	526.5	482.2
Province	4,650.0	4,350.0	4,450.0		4,336.0	5,150.0	5,100.0	5,650.0	5,600.0	5,350.0	4,900.0
Yield Per Acre (tons)											
1	1.42	1.64	1.70	1	2.67	1.80	1.72	1.56	2.40	1.11	0.80
2	3.07	2.91	3.36	2	3.89	2.69	3.29	2.12	2.30	0.75	1.37
3	0.90	1.88	2.52	3	2.26	1.78	1.55	1.75	2.10	0.95	0.87
4A	0.58	1.15	1.82	4	1.35	1.49	1.10	2.32	0.40	1.39	0.46
4B	1.70	1.76	1.43	5	2.17	2.47	1.48	1.45	2.50	1.15	0.89
5	2.30	2.71	2.70	6 & 15	2.43	2.50	2.38	1.86	2.00	3.16	1.06
6	2.24	2.21	2.21	7	1.78	1.27	1.35	1.00	0.90	0.64	0.79
7	2.64	1.75	1.86	8	2.81	2.34	2.52	1.97	1.50	0.58	1.34
				9	2.81	2.81	2.50	3.07	2.60	2.53	1.35
				10	1.93	1.12	1.18	1.56	0.90	0.80	0.92
				11	1.98	1.33	1.26	1.98	1.50	2.41	1.15
				12	1.40	0.74	0.86	2.08	0.90	1.53	0.97
				13	2.36	1.51	1.55	2.36	1.20	0.74	1.14
				14	2.38	0.66	1.51	2.38	1.30	0.99	1.30
				16	1.39	0.45	1.20	1.71	1.20	1.52	0.96
				17	1.40	1.59	1.25	1.20	1.40	1.16	0.79
				18	1.41	1.47	2.22	0.94	1.70	2.25	0.88
				19	1.41	1.30	1.24	1.04	1.70	2.22	0.96
Province	2.15	2.14	2.27		2.08	1.62	1.60	1.80	1.50	1.50	1.00
Production ('000 tons)											
1	304.8	335.2	353.1	1	214.5	175.7	217.5	182.9	303.7	95.4	63.2
2	1,028.4	929.9	1,133.3	2	859.2	597.9	665.8	549.6	618.6	172.6	288.1
3	354.3	717.0	980.9	3	345.5	247.6	295.9	322.8	528.1	185.3	155.3
4A	124.2	242.7	419.6	4	164.1	299.5	258.6	598.4	81.2	361.4	110.0
4B	430.1	446.9	397.0	5	223.3	345.9	219.9	222.5	375.3	179.5	127.1
5	2,354.9	2,601.0	2,621.1	6 & 15	668.9	989.2	698.5	650.8	822.7	1,183.9	363.3
6	2,419.8	2,278.3	2,327.0	7	388.9	406.7	398.2	324.3	268.8	202.2	230.7
7	2,983.5	1,749.0	1,868.0	8	909.5	813.5	907.4	785.7	624.0	246.0	517.9
				9	387.6	459.8	364.8	704.0	344.8	420.0	204.9
				10	556.1	381.3	423.1	645.5	368.1	296.9	315.4
				11	1,104.9	868.7	770.0	1,134.8	996.3	1,311.5	571.4
				12	325.2	212.2	230.2	559.9	253.5	400.4	231.2
				13	1,510.5	1,259.2	1,126.1	1,717.7	875.4	481.6	679.5
				14	226.3	64.1	210.5	213.6	166.8	68.8	82.8
				16	152.6	51.9	111.2	187.5	124.2	143.0	82.8
				17	356.4	606.8	503.2	568.3	619.2	566.4	352.3
				18	138.1	132.6	162.3	140.6	166.3	317.5	113.4
				19	468.4	487.4	536.8	591.1	863.0	1,167.6	460.7
Province	10,000.0	9,300.0	10,100.0		9,000.0	8,400.0	8,100.0	10,100.0	8,400.0	7,800.0	4,950.0

Note: Data from 1988 to 1990 are only available for Statistics Canada Agricultural Reporting Areas (ARA). ARAs by census divisions:

ARA 1 = CDs 1 & 4 ARA 4B = CD 10
 ARA 2 = CDs 2 & 5 ARA 5 = CDs 8, 9 & 11
 ARA 3 = CDs 3, 6 & 15 ARA 6 = CDs 12, 13, 14 & 16
 ARA 4A = CD 7 ARA 7 = CDs 17, 18 & 19

Source: Agriculture Division, Statistics Canada

Table 46 Alberta Special Crops - Area/Yield/Production/Price, 1988-1997

	Harvested (acres)	Yield Per Acre (bushels)	Production (tonnes)	Price (\$/unit)
Corn for Grain				
1988	10,000	100.0	25,401	3.49 /bu
1989	9,000	61.1	13,968	3.12 /bu
1990	7,000	92.9	16,519	2.89 /bu
1991	8,700	96.7	21,370	2.84 /bu
1992	5,000	41.7	5,296	2.80 /bu
1993	5,000	100.0	12,700	3.53 /bu
1994	5,000	100.0	12,700	3.68 /bu
1995	5,000	100.0	12,700	3.68 /bu
1996	2,500	-	-	-
1997	4,000	100.0	10,200	-
Peas, Dry				
1988	110,000	33.2	99,392	201.00 /tonne
1989	95,000	30.5	78,858	180.00 /tonne
1990	85,000	37.6	86,982	184.00 /tonne
1991	167,100	36.7	166,903	161.00 /tonne
1992	210,000	32.0	182,660	175.00 /tonne
1993	308,000	43.5	364,310	159.84 /tonne
1994	410,000	36.6	408,030	171.59 /tonne
1995	445,000	34.0	412,300	171.59 /tonne
1996	280,000	40.4	307,533	224.14 /tonne
1997	385,000	40.3	421,800	-
Dry Beans				
1988	23,000	35.2	22,034	33.84 /cwt
1989	23,500	22.3	14,262	26.17 /cwt
1990	24,400	32.1	21,317	17.20 /cwt
1991	29,400	37.2	29,765	15.19 /cwt
1992	18,450	13.9	6,980	21.81 /cwt
1993	27,700	18.7	14,098	27.10 /cwt
1994	34,000	34.0	31,460	24.84 /cwt
1995	35,000	33.3	31,720	24.84 /cwt
1996	20,000	37.5	20,411	29.00 /cwt
1997	14,100	43.0	36,300	-
Lentils				
1988	5,000	10.0	1,361	416.00 /tonne
1989	5,000	13.3	1,810	444.00 /tonne
1990	5,000	20.0	2,722	448.00 /tonne
1991	12,200	21.7	7,205	306.00 /tonne
1992	36,000	15.7	15,382	232.00 /tonne
1993	37,500	12.9	13,166	399.30 /tonne
1994	50,000	15.0	20,410	407.83 /tonne
1995	38,000	20.8	21,550	407.83 /tonne
1996	20,000	15.2	8,273	462.97 /tonne
1997	25,000	12.2	8,300	-
Mustard				
1988	70,000	14.3	22,703	301.00 /tonne
1989	70,000	18.6	29,529	315.00 /tonne
1990	80,000	19.0	34,473	291.00 /tonne
1991	59,900	21.6	29,344	208.00 /tonne
1992	35,000	23.4	18,540	220.00 /tonne
1993	70,000	27.3	43,420	210.92 /tonne
1994	120,000	18.6	50,240	275.58 /tonne
1995	115,000	23.3	60,200	275.58 /tonne
1996	85,000	15.1	29,030	388.89 /tonne
1997	145,000	15.4	50,600	-

Source: Agriculture Division of Statistics Canada; and Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Table 46 Alberta Special Crops - Area/Yield/Production/Price - Cont'd

	Harvested (acres)	Yield Per Acre	Production (tonnes)	Price (\$/unit)
Triticale				
1988	3,500	18.6 /bu	1,654	145.65 /tonne
1989	5,000	40.0 /bu	5,080	119.00 /tonne
1990	8,000	18.8 /bu	3,820	113.00 /tonne
1991	7,600	33.0 /bu	6,371	77.85 /tonne
1992	8,000	24.5 /bu	4,979	79.35 /tonne
1993	14,500	41.1 /bu	15,138	93.50 /tonne
1994	15,000	42.0 /bu	16,000	114.00 /tonne
1995	14,000	44.0 /bu	15,600	114.00 /tonne
1996	15,000	33.3 /bu	12,701	178.34 /tonne
1997	-	-	-	-
Potatoes				
1988	24,200	270.0 /cwt	296,380	7.24 /cwt
1989	26,200	250.0 /cwt	297,106	6.90 /cwt
1990	28,500	240.0 /cwt	310,260	6.50 /cwt
1991	27,200	220.0 /cwt	271,432	6.10 /cwt
1992	26,100	230.0 /cwt	272,294	8.93 /cwt
1993	27,700	269.0 /cwt	338,000	9.07 /cwt
1994	29,000	277.8 /cwt	365,500	9.00 /cwt
1995	29,500	297.7 /cwt	398,400	9.00 /cwt
1996	30,000	315.0 /cwt	428,708	-
1997	30,500	290.0 /cwt	401,200	-
Fodder Corn				
1988	18,000	16.7 /tons	272,703	-
1989	15,000	13.3 /tons	180,985	-
1990	15,000	13.3 /tons	180,985	-
1991	15,000	14.9 /tons	202,758	-
1992	20,000	9.5 /tons	172,365	-
1993	10,000	13.2 /tons	119,749	-
1994	10,000	11.5 /tons	104,330	-
1995	10,000	16.0 /tons	145,100	-
1996	-	-	-	-
1997	15,000	12.0 /tons	163,300	-
Canary Seed				
1988	5,000	16.0 /bu	1,814	22.00 /cwt
1989	9,000	22.5 /bu	4,593	15.00 /cwt
1990	10,000	24.3 /bu	5,511	10.00 /cwt
1991	6,700	19.8 /bu	3,009	7.00 /cwt
1992	1,500	-	-	9.00 /cwt
1993	6,200	29.4 /bu	4,134	10.00 /cwt
1994	20,000	22.0 /bu	9,980	21.00 /cwt
1995	10,000	19.8 /bu	4,500	21.00 /cwt
1996	25,000	19.2 /bu	10,886	19.00 /cwt
1997	10,000	16.2 /bu	3,700	-
Sunflowers (price for non-oil sunflowers only)				
1988	4,000	1,250.0 /lbs	2,268	551.00 /tonne
1989	2,000	1,250.0 /lbs	1,134	441.00 /tonne
1990	3,000	1,667.0 /lbs	2,268	419.00 /tonne
1991	2,800	1,629.0 /lbs	2,069	373.00 /tonne
1992	3,000	1,011.0 /lbs	1,376	404.00 /tonne
1993	5,000	1,183.0 /lbs	2,682	413.00 /tonne
1994	4,800	1,550.0 /lbs	3,380	507.00 /tonne
1995	5,000	1,900.0 /lbs	4,310	507.00 /tonne
1996	2,000	1,675.0 /lbs	1,520	529.00 /tonne
1997	5,000	1,400.0 /lbs	3,200	-

Source: Agriculture Division of Statistics Canada; and Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Table 47 Sugar Beet Industry, Alberta, 1990-1997

	1990	1991	1992	1993	1994	1995	1996	1997p
Contracted (acres)	33,299	33,260	32,148	33,088	35,399	34,506	34,043	33,467
Planted (acres)	32,875	33,013	31,351	32,504	34,944	33,913	33,784	33,327
Harvested (acres)	32,664	32,779	31,127	32,432	34,836	33,656	33,463	33,126
Production (tons)	590,303	634,987	475,823	542,253	737,774	688,498	676,611	650,423
Avg. Yield (tons/acre)	18.07	19.37	15.29	16.72	21.17	20.46	20.22	19.71
Market Price								
Beets (\$/tonne)	\$40.86	\$32.10	\$38.19	\$38.83	\$43.02	\$43.70	\$42.13	n/a
Sugar Content % (1)	18.03	17.89	17.97	18.06	18.09	18.10	18.51	18.98
Sugar Bought (kg/tonne)	144.5	128.1	142.6	134.3	138.7	136.5	142.8	146.6
Sugar Produced (kg/acre)	2,611	2,481	2,180	2,245	2,937	2,796	2,887	2,878

(1) Factory sugar content (%).

Source: Alberta Sugar Beet Growers Marketing Board

Table 48 Major Commercial Vegetable Production, Alberta, 1990-1997

	1990	1991	1992	1993	1994	1995	1996	1997p
Area Harvested (acres)								
Beans	575	562	447	711	802	787	885	850
Cabbage	645	475	581	685	658	750	618	500
Carrots	1,040	686	858	1,568	936	1,280	x	1,250
Corn, Fresh	3,487	3,428	2,326	3,281	3,931	4,940	4,885	x
Cucumbers	200	230	163	194	220	228	215	186
Onions, Dry	220	216	285	311	319	357	360	380
Peas	3,320	3,263	3,198	3,055	3,386	3,180	3,000	2,800
Total Area	9,067	8,452	7,551	9,270	10,252	11,522	9,963	5,966
Production (tonnes)								
Beans	1,005	1,186	1,001	1,091	1,538	1,620	1,107	x
Cabbage	6,672	4,507	4,456	5,308	4,929	6,634	4,854	6,559
Carrots	9,070	6,467	6,608	8,633	7,561	12,923	x	14,003
Corn, Fresh	15,213	15,548	6,165	10,838	24,110	24,278	23,995	x
Cucumbers	453	815	442	361	647	507	320	492
Onions, Dry	2,443	2,703	2,693	2,150	2,408	1,538	2,613	3,286
Peas	5,418	5,575	4,278	5,164	5,420	4,458	4,536	3,470
Total Production	40,243	36,605	25,485	33,901	45,075	51,958	37,425	27,810
Value (\$'000)								
Beans	603	711	764	727	708	-	395	x
Cabbage	1,516	1,336	1,442	1,730	1,426	2,194	1,700	1,730
Carrots	4,681	2,979	3,108	3,736	3,200	6,646	x	6,640
Corn, Fresh	2,237	2,389	1,305	1,625	3,384	4,136	3,120	x
Cucumbers	500	952	549	621	616	559	540	575
Onions, Dry	779	901	1,126	1,275	919	848	1,440	1,600
Peas	2,989	3,590	3,668	3,076	2,759	2,458	2,435	1,640
Total Value	13,136	12,633	11,597	12,885	12,304	16,841	9,630	12,185

Source: Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Table 49 Alberta Forage Seed Crops Inspected for Pedigree Status, 1988-1997

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Grass										
Alfalfa	13,242	13,376	12,648	12,199	14,418	13,369	13,116	12,851	10,355	10,376
Alsike Clover	2,020	1,384	1,162	1,005	3,176	3,353	4,061	3,937	2,186	2,045
Altai Wild Ryegrass	2	198	112	77	117	67	64	92	82	120
Birdsfoot Trefoil	1,276	350	90	351	157	238	273	305	150	246
Bromegrass	7,702	8,995	4,623	3,223	3,648	5,674	6,873	6,274	5,617	4,719
Cicer Milkvetch	59	127	213	183	182	197	189	205	256	183
Creeping Red Fescue	13,635	21,971	17,892	12,101	11,445	16,809	19,491	12,220	9,023	13,106
Crested Wheatgrass	1,645	3,720	2,877	2,312	1,796	3,040	3,526	3,662	3,715	5,081
Orchardgrass	55	55	129	85	295	333	468	348	233	519
Red Clover (Single Cut)	458	96	590	1,065	1,079	885	705	846	180	472
Reed Canarygrass	100	312	0	0	0	0	0	3	8	0
Sainfoin	0	0	7	128	0	0	0	0	0	0
Timothy	6,966	12,833	9,672	12,728	12,447	12,247	18,457	14,613	11,669	11,567
Meadow Bromegrass	-	-	806	367	1,226	2,095	3,600	3,949	3,645	2,317
Meadow Fescue	-	-	-	1,130	1,380	1,185	1,402	2,605	2,891	4,067

Source: Canadian Seed Growers Association

Table 50 Alberta Commercial/Pedigree Forage Seed Production, 1992-1996

	1992	1993	1994	1995	1996
Tonnes					
Alfalfa	850	680	3,080	2,400	2,955
Alsike Clover	1,720	2,120	1,330	-	-
Bromegrass	860	1,000	900	1,200	1,359
Creeping Red Fescue	9,250	8,030	11,530	8,850	18,950
Crested Wheatgrass	-	-	230	-	-
Red Clover (Single Cut)	1,700	1,700	2,400	1,650	-
Timothy	1,080	1,200	2,080	2,350	1,796

Source: Specialty Crop Survey, Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Table 51 Alberta Pedigreed Acres, 1988-1997

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Grains										
Wheat	63,527	78,518	70,942	53,073	56,866	65,474	56,541	61,858	66,500	74,028
Oats	13,766	15,733	17,927	9,658	9,039	10,708	10,185	5,282	7,723	7,396
Barley	54,411	59,107	69,684	76,722	64,964	65,860	71,176	77,737	82,199	68,152
Other Cereals	2,436	1,567	3,518	1,309	1,574	1,686	3,290	2,894	1,685	3,572
Flax	802	3,586	4,295	2,821	1,089	1,686	2,587	3,719	2,009	2,510
Oilseeds	28,261	30,150	32,550	29,088	21,891	26,696	45,457	59,909	32,742	31,524
Special Crops	6,834	2,216	4,019	5,090	6,502	12,453	30,425	31,689	15,340	21,831

Source: Canadian Seed Growers Association

Table 52 Municipal Co-Operative Seed Cleaning in Alberta, 1989-90 to 1995-96

	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
	bushels						
Total Seed	26,090,277	26,819,420	24,770,963	23,218,050	22,529,701	24,643,363	25,608,222
Commercial Seed	23,851,032	24,275,581	22,508,831	21,623,786	19,742,350	21,670,246	21,564,098
Pedigree Seed	2,239,245	2,543,839	2,262,132	1,594,264	2,787,351	2,973,117	4,044,124
Dockage Removed	2,652,493	2,711,557	3,514,390	2,455,357	2,943,065	5,926,158	4,757,417
Cleaning							
Total	28,742,770	29,530,977	28,285,353	25,673,407	25,472,766	30,569,521	30,365,639
Per Plant Average	368,497	378,602	362,633	329,146	330,815	382,119	384,375
Treated Seed	3,194,967	3,281,497	2,909,648	2,550,252	2,480,204	2,439,725	2,774,323

Source: Association of Alberta Co-Op Seed Cleaning Plants Ltd.

Table 53 Processed Alfalfa Production in Alberta (1), 1990-91 to 1996-97

	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
	tonnes						
Total Exports	286,000	384,000	229,489	312,559	331,014	400,828	272,564
Production	361,000	419,000	406,000	372,000	483,000	422,000	414,000
Value F.O.B. Plant (\$'000)	\$38,300	\$44,100	\$35,060	\$44,921	\$53,230	\$52,750	\$49,680

(1) Crop Year: June 1 to May 31.

Source: Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Table 54 Canadian Wheat Board Payments, 1991-92 to 1997-98

	1991-92*	1992-93*	1993-94*	1994-95*	1995-96*	1996-97*	1997-98**
<i>(Values in \$/tonne (Grade Edmonton/Calgary))</i>							
WHEAT							
No. 1 C.W. Red Spring (14.5%)	123.21	170.04	205.20	211.20	245.27	196.87	116.63
No. 1 C.W. Red Spring (13.5%)	117.42	145.42	171.16	186.43	234.83	185.57	105.63
No. 1 C.W. Red Spring	113.60	135.50	141.19	171.64	217.24	168.89	88.63
No. 2 C.W. Red Spring (13.5%)	110.74	136.82	163.12	179.64	229.28	181.29	100.63
No. 2 C.W. Red Spring	106.68	128.67	132.64	165.50	214.25	165.40	83.63
No. 3 C.W. Red Spring	102.13	123.87	120.00	156.16	210.68	157.48	77.63
No. 1 Canada Prairie Spring (Red)	101.01	124.09	121.50	154.98	209.31	156.59	75.63
No. 2 Canada Prairie Spring (Red)	99.01	122.09	117.50	152.77	207.33	154.50	73.63
No. 1 Canada Prairie Spring (White)	105.61	131.00	120.50	156.22	208.44	156.04	76.63
No. 2 Canada Prairie Spring (White)	102.61	129.50	116.50	154.15	206.95	154.96	74.63
No. 1 C.W. Extra Strong	109.83	138.52	139.19	169.26	219.65	171.27	89.63
No. 2 C.W. Extra Strong	100.83	127.72	131.79	162.60	216.59	168.80	87.63
Canada Western Feed	89.57	99.42	91.57	129.91	180.20	117.68	60.63
No. 1 C.W. Red Winter	109.74	138.07	126.00	161.34	214.79	162.50	81.63
No. 2 C.W. Red Winter	107.60	134.06	122.00	156.91	210.93	160.81	78.63
No. 1 C.W. Soft White Spring	109.13	133.65	109.86	155.52	208.33	157.85	79.63
No. 2 C.W. Soft White Spring	106.13	130.34	106.86	153.48	205.33	155.22	77.63
No. 3 C.W. Soft White Spring	94.11	106.31	91.57	130.91	180.20	117.68	60.63
No. 1 C.W. Amber Durum (13%)	-	-	229.59	273.56	292.90	225.35	145.63
No. 1 C.W. Amber Durum	114.78	137.04	212.54	247.06	249.21	210.60	137.63
No. 2 C.W. Amber Durum (13%)	-	-	222.36	262.55	284.02	214.61	137.63
No. 2 C.W. Amber Durum	109.83	132.29	204.06	237.60	240.63	202.09	129.63
No. 3 C.W. Amber Durum	104.86	126.53	181.51	219.35	228.76	191.79	119.63
No. 4 C.W. Amber Durum	97.34	104.84	147.60	185.64	201.10	165.43	97.63
No. 5 C.W. Amber Durum	89.57	91.02	97.38	134.16	182.90	117.68	60.63
BARLEY							
Extra No. 1 C.W.	-	-	79.24	79.90	170.60	113.18	54.98
No. 1 C.W.	85.18	79.27	75.25	76.01	166.59	109.65	51.98
No. 2 C.W.	-	-	69.32	71.05	160.82	103.62	45.98
Standard C. W. Hulless	-	-	88.75	81.76	173.51	114.67	56.98
DESIGNATED BARLEY							
Special Select C.W. 2 - Row	119.59	137.61	109.93	151.24	210.09	187.50	105.98
Special Select C.W. 6 - Row	104.52	120.71	97.99	132.71	188.41	153.94	75.98
Select C.W. 2 - Row	117.09	135.11	107.43	148.74	207.59	185.00	101.98
Select C.W. 6 - Row	102.02	118.21	95.70	130.21	185.91	151.44	71.98
Sample Select C.W. 2 - Row	114.58	132.61	104.93	146.24	205.09	182.50	97.98
Sample Select C.W. 6 - Row	99.51	115.71	92.57	127.71	183.41	148.94	67.98
Select C. W. 2-Row Hulless	-	-	107.43	137.87	194.56	172.52	93.98
Select C. W. 6-Row Hulless	-	-	87.31	119.34	-	136.68	65.98

* Realized Total Payment

** Initial Payment

Source: Canadian Wheat Board

Table 55 Canadian Wheat Board Payments, 1995-96 and 1996-97 Crop Years

	Initial Payment		Adjusted Payment		Final Payment		Realized Payment	
	1995-96	1996-97	1995-96	1996-97	1995-96	1996-97	1995-96	1996-97
\$/tonne (Base Edmonton/Calgary)								
WHEAT								
No. 1 C.W. Red Spring (14.5%)	154.08	169.69	83.00	10.00	8.19	17.18	245.27	196.87
No. 1 C.W. Red Spring (13.5%)	138.08	160.69	86.00	10.00	10.75	14.88	234.83	185.57
No. 1 C.W. Red Spring	123.08	150.69	86.00	10.00	8.16	8.20	217.24	168.89
No. 2 C.W. Red Spring (13.5%)	132.08	154.69	86.00	10.00	11.20	16.60	229.28	181.29
No. 2 C.W. Red Spring	117.08	144.69	86.00	10.00	11.17	10.71	214.25	165.40
No. 3 C.W. Red Spring	108.08	137.69	86.00	10.00	16.60	9.79	210.68	157.48
No. 1 Canada Prairie Spring (Red)	108.08	137.69	86.00	10.00	15.23	7.90	209.31	155.59
No. 2 Canada Prairie Spring (Red)	106.08	135.69	86.00	10.00	15.25	8.81	207.33	154.50
No. 1 Canada Prairie Spring (White)	108.08	137.69	86.00	10.00	14.36	8.35	208.44	156.04
No. 2 Canada Prairie Spring (White)	106.08	135.69	86.00	10.00	14.87	9.27	206.95	154.96
No. 1 C.W. Extra Strong	129.08	149.69	83.00	10.00	7.57	11.58	219.65	171.27
No. 2 C.W. Extra Strong	123.08	143.69	83.00	10.00	10.51	15.11	216.59	168.80
Canada Western Feed	85.08	98.69	88.00	10.00	7.12	8.99	180.20	117.68
No. 1 C.W. Red Winter	108.08	139.69	86.00	10.00	20.71	12.81	214.79	162.50
No. 2 C.W. Red Winter	103.08	134.69	86.00	10.00	21.85	16.12	210.93	160.81
No. 1 C.W. Soft White Spring	108.08	137.69	86.00	10.00	14.25	10.16	208.33	157.85
No. 2 C.W. Soft White Spring	105.08	134.69	86.00	10.00	14.25	10.53	205.33	155.22
No. 3 C.W. Soft White Spring	85.08	98.69	88.00	10.00	7.12	8.99	180.20	117.68
No. 1 C.W. Amber Durum	128.08	139.69	108.00	55.00	13.13	24.91	249.21	210.60
No. 2 C.W. Amber Durum	120.08	130.69	108.00	55.00	12.55	24.40	240.63	202.09
No. 3 C.W. Amber Durum	110.08	130.69	103.00	55.00	15.68	24.10	228.76	191.79
No. 4 C.W. Amber Durum	93.08	122.69	91.00	40.00	17.02	22.74	201.10	165.43
No. 5 C.W. Amber Durum	85.08	112.69	88.00	10.00	9.82	8.99	182.90	117.68
BARLEY								
No. 1 C.W.	80.10	95.68	82.00	8.00	8.50	5.97	166.59	109.65
No. 2 C.W.	76.10	89.68	82.00	8.00	8.49	5.94	160.82	103.52
DESIGNATED BARLEY								
Special Select C.W. 2 - Row	106.10	138.68	92.00	45.00	11.99	3.82	210.09	187.50
Special Select C.W. 6 - Row	89.10	113.68	92.00	33.00	7.31	7.26	188.41	153.94
Select C.W. 2 - Row	101.10	134.68	92.00	45.00	14.49	5.32	207.59	185.00
Select C.W. 6 - Row	84.10	109.68	92.00	33.00	9.81	8.76	185.91	151.44
Sample Select C.W. 2 - Row	97.85	130.68	92.00	45.00	15.24	6.82	205.09	182.50
Sample Select C.W. 6 - Row	80.85	105.68	92.00	33.00	10.56	10.26	183.41	148.94

Source: Canadian Wheat Board

Table 56 Non-Board Feed Grain Prices, 1987-88 to 1996-97

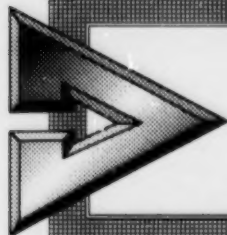
		Lethbridge			Calgary			Red Deer		
		Wheat	Oats	Barley	Wheat	Oats	Barley	Wheat	Oats	Barley
		\$/tonne								
1987-88		88.89	88.12	70.89	84.32	81.33	67.84	85.69	79.36	62.42
1988-89		147.51	153.69	121.92	142.71	148.12	114.05	140.12	139.93	108.80
1989-90		137.49	109.58	107.85	134.05	104.53	100.31	131.11	90.71	98.74
1990-91		117.34	90.67	94.69	112.25	79.00	86.50	111.39	70.62	81.22
1991-92		94.58	97.75	85.54	91.34	93.32	79.20	87.30	87.65	73.43
1992-93		90.39	109.26	95.50	83.01	108.72	89.68	80.20	101.10	84.28
1993-94		87.50	100.75	88.79	83.95	98.16	82.30	78.07	92.91	75.47
1994-95		134.61	103.33	118.45	137.64	104.82	115.88	118.23	95.99	103.19
1995-96	Aug	170.38	123.75	143.38	171.16	128.20	140.20	159.88	104.41	134.64
	Sep	168.50	126.00	138.30	163.47	132.50	134.11	155.34	111.80	127.72
	Oct	169.75	139.63	141.50	172.18	141.20	138.45	159.43	120.00	131.48
	Nov	174.63	143.50	152.13	176.23	144.10	151.10	163.50	140.23	142.11
	Dec	172.38	163.88	159.00	179.69	165.11	161.18	166.48	154.00	156.49
	Jan	173.63	190.75	162.00	180.40	186.30	166.46	169.00	176.28	157.90
	Feb	172.00	186.00	163.38	177.65	182.93	164.86	169.45	173.05	153.16
	Mar	172.10	175.40	165.90	178.60	178.65	162.79	169.54	169.57	152.06
	Apr	178.63	179.63	171.25	180.83	184.25	165.06	169.91	173.45	154.48
	May	198.80	198.90	179.10	205.19	208.91	178.59	189.03	180.26	168.42
	Jun	208.88	213.75	182.25	223.90	207.93	182.25	204.64	187.24	167.64
	Jul	217.75	210.00	184.25	220.59	199.75	175.98	202.33	184.39	164.76
	Annual	181.45	170.93	161.87	185.82	171.65	160.09	173.21	156.22	150.90
1996-97	Aug	191.50	184.50	166.90	192.84	192.16	156.46	196.58	171.20	155.62
	Sep	176.88	170.63	141.25	171.45	168.49	139.78	176.35	151.98	123.14
	Oct	161.88	149.38	137.00	153.61	143.81	132.50	158.69	135.74	118.54
	Nov	148.60	149.50	134.00	141.41	140.22	125.59	131.91	131.64	116.65
	Dec	149.64	150.00	132.75	144.48	140.28	129.13	135.04	132.50	113.66
	Jan	150.88	148.38	131.00	146.19	145.60	127.38	132.57	132.93	118.63
	Feb	151.75	149.63	131.13	144.89	144.54	127.73	132.50	137.35	113.36
	Mar	154.00	149.75	132.75	145.46	146.05	128.10	130.21	136.95	112.69
	Apr	151.63	149.75	135.63	143.99	147.63	128.86	130.20	135.50	111.95
	May	147.10	150.00	136.00	141.45	149.41	125.76	129.88	136.16	116.87
	Jun	147.13	147.00	134.63	137.85	142.60	125.95	125.60	137.79	119.11
	Jul	142.44	143.75	125.25	138.13	141.98	121.85	127.43	130.11	116.53
	Annual	156.12	153.52	136.52	150.14	150.23	130.76	142.25	139.15	119.73

Source: Alberta Grain Commission

Table 56 Non-Board Feed Grain Prices - Cont'd

		Edmonton			Peace River/Grande Prairie			Vermilion
		Wheat	Oats	Barley	Wheat	Oats	Barley	Barley
		\$/tonne						
1987-88		91.15	85.67	64.69	84.95	77.81	63.11	59.60
1988-89		146.48	147.55	111.59	135.73	148.28	111.12	108.66
1989-90		135.41	92.54	100.53	136.84	89.23	96.33	95.59
1990-91		111.88	70.46	80.91	111.34	71.33	83.94	80.87
1991-92		93.51	89.43	73.34	84.63	82.19	71.23	72.80
1992-93		85.49	101.51	83.36	82.00	99.91	78.73	81.33
1993-94		81.86	91.51	75.02	81.91	93.76	74.13	73.87
1994-95		125.31	88.00	100.83	117.49	75.41	87.71	97.37
1995-96	Aug	158.21	103.96	132.63	143.88	88.08	109.98	128.03
	Sep	155.93	107.14	126.38	149.55	99.33	111.48	123.77
	Oct	160.83	117.10	129.65	155.60	107.08	113.88	126.01
	Nov	170.48	138.56	138.94	158.86	121.33	124.40	138.66
	Dec	170.96	149.61	149.61	161.83	144.05	140.13	150.45
	Jan	170.65	162.88	152.20	159.89	158.85	144.30	156.78
	Feb	170.98	167.45	152.58	158.74	162.21	141.61	156.75
	Mar	171.93	169.20	147.61	159.33	167.49	141.27	155.74
	Apr	173.26	164.33	152.54	170.10	168.94	143.31	156.19
	May	191.65	177.46	164.67	185.72	169.79	151.96	166.01
	Jun	204.23	181.14	169.23	187.34	170.89	155.91	168.46
	Jul	207.84	179.53	164.78	175.89	169.64	152.26	163.59
	Annual	175.58	151.53	148.40	163.89	143.97	135.87	149.20
1996-97	Aug	187.68	160.47	152.42	163.75	150.23	142.90	148.82
	Sep	172.83	138.50	136.39	156.40	146.44	112.09	121.70
	Oct	145.36	134.19	124.59	146.06	125.39	115.36	119.40
	Nov	130.75	122.83	112.11	125.58	97.98	103.33	116.41
	Dec	135.76	120.36	112.06	134.75	96.05	103.04	114.00
	Jan	132.23	117.74	111.68	129.49	94.18	103.00	111.94
	Feb	129.29	118.90	110.86	128.26	98.50	103.11	111.25
	Mar	130.94	122.23	113.88	128.76	108.45	111.60	122.85
	Apr	130.20	119.95	113.65	114.69	113.15	108.11	115.95
	May	123.47	119.69	113.42	109.49	110.56	105.55	114.34
	Jun	120.38	119.06	111.25	95.93	106.44	99.08	111.35
	Jul	112.51	115.03	106.48	93.64	107.18	98.15	101.04
	Annual	137.62	125.75	118.23	127.23	112.88	108.78	117.42

Source: Alberta Grain Commission



LIVESTOCK, POULTRY AND AQUACULTURE

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Note to Users: Livestock Inventory for Alberta Census Divisions

Inventory data for cattle, calves and pigs on farms for Alberta's 19 census divisions are not shown in this edition of the Yearbook due to unavailability of intercensal revisions based on the 1996 Census of Agriculture.

Alberta Livestock Industry in 1996

Alberta's **cattle industry** continues to demonstrate growth. This was again confirmed in 1996 by the size of the cattle herd which grew slightly at over one per cent from 1995. On July 1, 1996, the estimated total number of cattle and calves on farms in Alberta was 5,666,000 head compared to 5,608,000 head in 1995. Apart from setting a new industry high, the July 1, 1996 estimate marks the tenth consecutive year of herd growth since 1987. More specifically, increases in the 1996 cattle and calf inventory were noted for all classes of animals, with the exception of beef cows, beef heifers for replacement and bulls which trended downward. Among these three classes, the largest decline was for beef heifers for replacement which shrunk by almost 30 per cent to 320,000 head from a year ago. Beef cows (estimated at 2,023,000 head) dropped slightly at over one per cent. Notable increases in 1996 were for slaughter heifers at almost 23 per cent (459,000 head) and slaughter steers at roughly 16 per cent (653,000 head). Calves were up slightly at over two per cent (1,945,000 head). The lower inventories of beef cows and beef heifers for replacement and the higher number of slaughter heifers on farms suggest that Alberta's beef cattle cycle has peaked. Consequently, we can expect to see the cattle inventory declining in 1997. Increasing, as well in 1996, was the size of the provincial dairy herd. At 147,000 head, the number of dairy cows and heifers rose marginally at 2.1 per cent from the 144,000 head in 1995.

Across Canada, Alberta continues to be the leading province in cattle and calf inventories with 5,666,000 head reported on July 1, 1996. Saskatchewan was second highest (2,952,000 head) followed by Ontario (2,299,000 head). In Western Canada, Alberta accounted for close to 52 per cent of the estimated total herd of 10,909,000 head and roughly 38 per cent of the estimated Canadian total of 14,912,800 head.

Undoubtedly, 1996 was a record year for cattle slaughter in the province. In total, 1,794,705 head of cattle (excluding calves) were slaughtered in federally and provincially inspected plants. This was up almost 17 per cent from 1995 and about 57 per cent from 1986. Apart from marking the fifth consecutive year of plant slaughter growth, the 1996 total is a new industry high. Steers and heifers comprise the bulk of the cattle slaughter, and in 1996 accounted for 86.3 per cent of the total slaughtered in federally inspected plants. Unlike cattle, calf slaughter in federally and provincially inspected plants continues to slip. For instance, in 1986, total calf slaughter was 6,872 head. In 1996, the total was 854 head or a drop of roughly 88 per cent. Without a doubt, cattle slaughter in the province is gaining momentum. To a large extent, this is being influenced by the presence of two world class slaughtering plants (Cargill and Lakeside) in the province which have spurred slaughter cattle production. Particularly so was in 1996, which saw total slaughter cattle production increase by almost 17 per cent to 2,474,465 head from the total of 2,118,060 head in 1995.

Slaughter cattle marketings (or cattle of Alberta origin slaughtered in Canada) reached an all-time new industry high in 1996. Marketings, which exclude international exports, totalled 1,742,569 head, up 16.1 per cent from the 1995 total of 1,501,144 head.

Unlike the significant drop noted in 1995, live feeder cattle shipments to the United States from Alberta were once again up in 1996. In total, 34,068 animals were shipped compared to 7,439 head in 1995 or an increase of almost five-fold. The sizeable increase in exports was to some degree influenced by lower American feeder cattle imports from Mexico.

Also improving in 1996 were Alberta's shipments of live replacement cattle to the U.S. With shipments totalling 2,845 head, this was up more than 13 per cent from the 2,510 head exported in 1995.

Up as well in 1996, were Alberta's live slaughter cattle exports to the United States. With exports totalling 731,896 head, this represented an increase of almost 19 per cent from a

year earlier. The 1996 total, apart from marking the seventh consecutive year of growth, is the highest on record. Triggering the increase in slaughter cattle exports were a number of factors including increased domestic production and excess U.S. packer capacity.

Cumulatively, live cattle and calf shipments to the United States from Alberta in 1996 was 768,827 head, up almost 23 per cent from 1995. Likewise, at 925,862 head, total live cattle and calf shipments to other provinces and to other countries was up almost 20 per cent from 773,569 head in 1995.

In general, fed and feeder cattle prices did not fare well in 1996. In most instances, prices were lower than in 1995. Contrary to the norm, however, prices in 1996 were generally at their lowest levels in the earlier part of the year, with the tendency to increase over the remaining months. As in 1995, the poorer prices in 1996 were largely the result of increasing per capita supplies of beef in the North American market brought on by several years of increasing cattle inventories.

On July 1, 1995, the estimated number of **pigs on Alberta farms** reached a record at 2,031,100 head. However, in 1996, the herd size decreased 7.6 per cent to 1,875,900 head. Declines were reported in every class type with the largest posted by market hogs over 130 pounds at 9.8 per cent and breeding boars, also 9.8 per cent.

On a provincial basis, Alberta, with an estimated pig population of 1,875,900 on July 1, 1996, ranked third largest in Canada after Quebec (3,455,000 head) and Ontario (3,065,700 head). When compared to Western Canada, Alberta accounts for about 40 per cent of the estimated total pig population of 4,694,400 head and 16.2 per cent of the estimated national total of 11,547,600 pigs.

Unlike the recovery which was noted in 1995, hog slaughter activity in the province was down in 1996 by four per cent. In total, 2,135,395 hogs were slaughtered in federally and provincially inspected plants in 1996 compared to 2,225,036 head in the previous year.

Also down in 1996 were slaughter hog marketings (or hogs of Alberta origin slaughtered in Canada). At 2,224,776, total marketings fell nine per cent from 2,439,907 in 1995. To some degree, the reduced marketings (do not include international exports) were affected by the rise in slaughter hog exports to the U.S., which was up in excess of 100,000 head in 1996.

As was alluded to in the previous paragraph, showing growth in 1996 were Alberta's live slaughter hog exports. Up almost 20 per cent from 1995, the volume exported in 1996 was 432,352 head, the highest level in seven years. The significant rise in exports was precipitated by the tight slaughter hog supply situation in the U.S., which also happens to be the destination for all of Alberta's slaughter hogs.

Slaughter hog production (comprising marketings and international exports) in the province was down slightly in 1996. With production at 2,657,128 head, this was about five per cent lower than in 1995. The decline in production was primarily due to a drop in marketings, which were not adequately offset by the rise in live international slaughter hog exports.

While hog prices in Alberta have generally been trending upward since 1993, prices in 1996 showed a marked improvement over 1995. Most evident of this was in the annual comparisons of the dressed slaughter hogs price, also known as the "index 100". In 1996, the annual average price for "index 100" hogs was \$1.82 per kilogram, which was almost 24 per cent higher than the 1995 price of \$1.47 per kilogram. Moreover, the 1996 price was the highest recorded in nineteen years. Initially, in 1996, monthly prices improved until August, thereafter trending slightly downward. As well, August was the strongest month for "index 100" hogs, recording an average price of \$2.07 per kilogram. The improved prices were largely the result of a stronger demand for slaughter hogs in the U.S. brought on by reduced supplies and excess U.S. packer capacity. Increasing export demand for pork was also a factor in the price strength.

On July 1, 1996, the estimated total number of **sheep and lambs** on farms in Alberta was 244,500 head, down 7.4 per cent from 264,000 head in 1995. Showing the largest declines in 1996 were market lambs at 9.5 per cent (92,500 head) and breeding ewes at 7.5 per cent (115,300 head).

In comparison with other Canadian provinces, Alberta continues to be the leading province in sheep and lamb inventories with an estimated total of 244,500 head in 1996. Ontario is next with 219,900 head, followed by Quebec with 138,000 head. Alberta currently accounts for close to 55 per cent of the estimated total Western Canadian flock of 445,300 head and roughly 29 per cent of the estimated national total of 846,700 head.

Due to data confidentiality, 1996 statistics on total sheep and lamb slaughter in federally and provincially inspected plants in Alberta are unavailable. However, the comparable total slaughter for Western Canada was up 4.8 per cent, moving from 74,942 head in 1995 to 78,535 head in 1996.

Increasing in 1996 were Alberta's sheep and lamb marketings. With total marketings estimated at 64,900 head, this was up almost 13 per cent from a year ago (57,562 head). The increased marketings were largely the result of stronger slaughter lamb prices which prevailed in 1996. Simply put, producers were taking advantage of the premium prices being offered for slaughter lambs, choosing to hold back as few replacement lambs as possible. This was also one of the primary reasons for the lower 1996 sheep and lamb inventory.

International exports of live sheep from Alberta were not as aggressive in 1996 as in 1995. In 1996, exports totalled 10,000 head, down 21 per cent from 12,612 head in the previous year. The curtail in exports was largely influenced by the stronger premium prices offered domestically. The United States continues to be the primary export destination, accounting for virtually all of the exports in 1996.

In the continuation of an upward trend from 1995, sheep and lamb prices in 1996 were extremely good for Alberta producers. Apart from the 1996 annual prices being up for every class of animal tracked from the previous year, the prices were the highest in eleven years. Especially strong were feeder and slaughter lamb prices. For example, the annual average price for heavy feeder lambs (81-94 pounds) was \$112.55 per hundredweight or roughly 12 per cent higher than in 1995. Likewise, the price for slaughter lambs (95-109 pounds) was \$107.06 per hundredweight or about 13 per cent higher than in the previous year. The stronger prices noted in 1996 were attributable to declining U.S. sheep and lamb inventories and excess packer capacity.

Table 57 Livestock on Farms, Canada and Provinces, July 1, 1987-1997

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Cows and Calves (000 head)								
1987	11,815.7	3,924.0	2,074.0	1,060.0	677.0	2,266.2	1,471.6	342.9
1988	12,153.2	4,149.0	2,127.0	1,075.0	689.0	2,311.1	1,463.0	339.1
1989	12,456.9	4,375.0	2,146.0	1,077.0	720.0	2,319.0	1,482.2	337.7
1990	12,560.2	4,490.0	2,173.0	1,055.0	716.0	2,306.9	1,481.0	338.3
1991	12,842.9	4,671.0	2,279.0	1,095.0	748.0	2,275.0	1,438.0	336.9
1992r	13,025.1	4,811.0	2,382.0	1,167.0	773.5	2,172.0	1,385.0	334.6
1993r	13,226.8	4,941.0	2,484.0	1,169.0	766.0	2,151.0	1,382.5	333.3
1994r	13,924.4	5,316.0	2,607.0	1,236.0	803.0	2,188.0	1,443.5	330.9
1995r	14,729.6	5,608.0	2,838.0	1,342.0	846.0	2,295.0	1,469.0	331.6
1996	15,026.4	5,666.0	2,952.0	1,424.0	867.0	2,299.0	1,486.0	332.4
1997p	14,912.8	5,605.0	2,885.0	1,479.0	865.0	2,259.0	1,487.5	332.3
Pigs (000 head)								
1987	10,529.1	1,670.0	700.0	1,160.0	227.1	3,382.0	3,016.0	374.0
1988	11,038.3	1,807.0	829.0	1,338.0	254.3	3,367.0	3,062.0	381.0
1989	10,820.5	1,809.0	791.0	1,305.0	265.5	3,147.0	3,128.0	375.0
1990	10,146.3	1,689.0	770.0	1,196.0	245.5	2,961.0	2,952.0	332.8
1991	10,444.5	1,760.0	843.0	1,310.0	238.5	2,960.0	2,997.5	335.5
1992r	10,803.0	1,913.1	929.7	1,372.7	211.2	3,004.8	3,046.0	325.5
1993r	10,596.4	1,848.6	878.6	1,386.1	197.7	2,910.7	3,065.2	309.5
1994r	10,728.1	1,778.6	889.8	1,466.4	209.7	2,986.6	3,080.0	317.0
1995r	11,536.0	2,031.1	868.0	1,666.7	184.8	3,092.6	3,366.3	326.5
1996	11,547.6	1,875.9	829.3	1,813.7	175.5	3,065.7	3,455.0	332.5
1997p	11,830.2	1,835.9	862.0	1,780.3	181.2	3,288.8	3,542.5	339.5
Sheep and Lambs (000 head)								
1987	731.3	203.0	58.7	25.5	58.0	215.0	110.0	61.1
1988	788.9	231.0	64.3	27.0	59.5	238.0	110.0	59.1
1989	827.5	251.0	72.0	31.0	66.0	241.0	109.5	57.0
1990	874.4	275.0	82.5	34.4	70.0	245.0	113.5	54.0
1991	917.8	299.0	92.0	35.0	73.0	250.0	115.0	53.8
1992	897.1	311.0	85.0	34.9	72.5	228.0	116.7	49.0
1993	883.0	287.0	82.0	34.0	74.0	242.0	115.0	49.0
1994r	825.6	250.0	79.0	33.0	76.0	225.0	114.0	48.6
1995r	857.6	264.0	78.2	34.5	83.0	227.0	127.0	43.9
1996	846.7	244.5	86.0	37.5	77.3	219.9	138.0	43.5
1997p	831.2	253.9	71.9	42.1	53.9	224.6	141.1	43.7

Note: Data are subject to revision.

Source: Agriculture Division, Statistics Canada

Fig. 22 Cattle and Calves on Alberta Farms, July 1, 1987-1997

'000 head

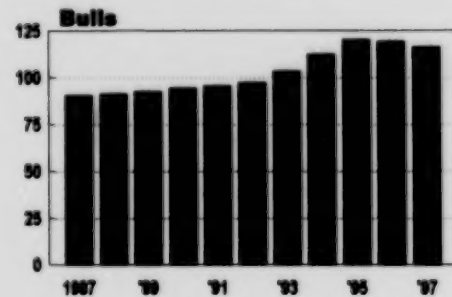
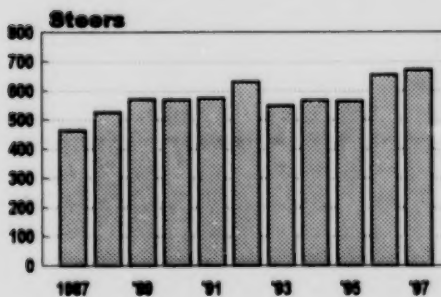
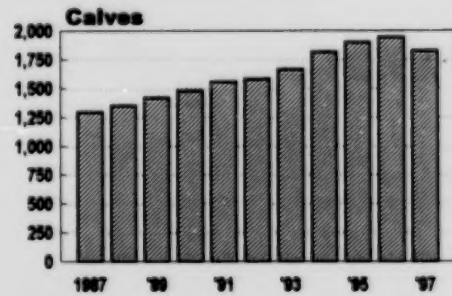
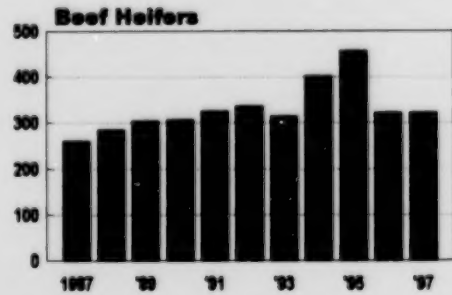
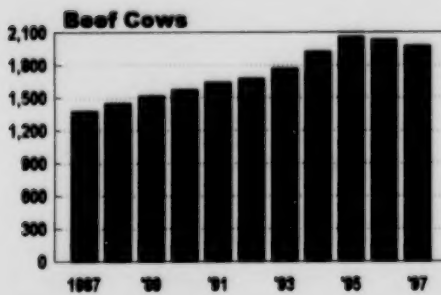
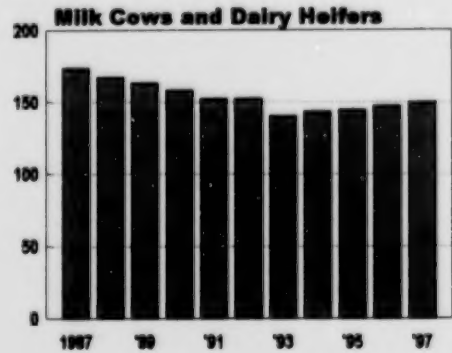
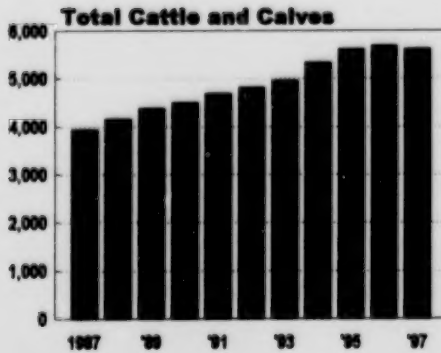


Table 58 Cattle and Calves on Alberta Farms, July 1, 1954-1997

									Total		Alberta
	Bulls	Milk	Dairy	Beef	(1)Beef	Slaughter	Calves	Steers	Alberta	Canada	as a % of Canada
		Cows	Helpers	Cows	Helpers	Helpers					
100 head											
1954	45.0	286.0	70.0	600.0	215.0	-	608.0	270.0	2,094.0	10,170.0	20.6
1955	48.0	285.0	65.0	640.0	240.0	-	647.0	325.0	2,250.0	10,603.0	21.2
1956	51.0	282.0	60.0	734.0	248.0	-	714.0	360.0	2,449.0	11,011.2	22.2
1957	54.0	282.0	63.0	766.0	280.0	-	759.0	417.0	2,621.0	11,265.0	23.3
1958	53.0	270.0	65.0	785.0	251.0	-	819.0	314.0	2,557.0	10,990.0	23.3
1959	55.0	270.0	64.0	820.0	256.0	-	857.0	301.0	2,623.0	11,058.0	23.7
1960	55.0	279.0	67.0	827.0	257.0	-	867.0	345.0	2,697.0	11,337.0	23.8
1961	57.0	288.0	69.0	890.0	271.0	-	913.0	392.0	2,879.0	11,933.8	24.1
1962	57.0	282.0	67.0	910.0	278.0	-	925.0	380.0	2,899.0	12,067.0	24.0
1963	58.0	280.0	67.0	940.0	326.0	-	962.0	402.0	3,035.0	12,365.0	24.5
1964	63.0	279.0	61.0	1,018.0	401.0	-	1,018.0	480.0	3,320.0	12,994.0	25.6
1965	66.0	269.0	55.0	1,108.0	423.0	-	1,076.0	476.0	3,473.0	13,260.0	26.2
1966	64.0	243.0	51.0	1,119.0	362.0	-	1,080.0	521.0	3,440.0	12,878.8	26.7
1967	65.0	224.0	48.0	1,113.0	405.0	-	1,035.0	503.0	3,393.0	12,697.0	26.7
1968	62.0	208.0	44.0	1,098.0	381.0	-	1,018.0	530.0	3,341.0	12,487.0	26.8
1969	61.0	192.0	40.0	1,097.0	381.0	-	989.0	526.0	3,266.0	12,366.0	26.6
1970	65.0	195.0	38.0	1,170.0	430.0	-	1,070.0	525.0	3,493.0	12,826.0	27.2
1971	72.0	186.0	38.0	1,270.0	451.0	-	1,157.0	528.0	3,702.0	13,270.9	27.9
1972	75.0	178.0	32.0	1,364.0	500.0	-	1,225.0	550.0	3,924.0	13,736.0	28.6
1973	79.0	171.0	34.0	1,509.0	522.0	-	1,319.0	567.0	4,201.0	14,249.0	29.5
1974	87.0	165.0	35.0	1,660.0	559.0	-	1,434.0	655.0	4,595.0	15,318.0	30.0
1975	87.0	157.0	36.0	1,692.0	550.0	-	1,458.0	709.0	4,689.0	15,622.0	30.0
1976	88.0	163.0	51.0	1,530.0	270.0	368.0	1,435.0	770.0	4,675.0	15,063.0	31.0
1977	87.0	160.0	50.0	1,500.0	260.0	318.0	1,315.0	660.0	4,350.0	14,292.9	30.4
1978	82.0	158.0	51.0	1,400.0	240.0	320.0	1,239.0	645.0	4,135.0	13,352.7	31.0
1979	85.0	162.0	53.0	1,370.0	230.0	325.0	1,205.0	650.0	4,080.0	13,238.8	30.8
1980	90.0	168.0	56.0	1,400.0	245.0	306.0	1,290.0	600.0	4,155.0	13,381.9	31.0
1981	89.5	166.0	54.5	1,368.0	243.0	325.0	1,300.0	607.0	4,153.0	13,364.5	31.1
1982	90.0	159.0	50.0	1,394.0	227.0	320.0	1,260.0	580.0	4,080.0	13,170.0	31.0
1983	91.0	146.0	48.0	1,388.0	217.0	300.0	1,235.0	540.0	3,965.0	12,835.7	30.9
1984	91.0	141.0	49.0	1,368.0	233.0	298.0	1,255.0	540.0	3,975.0	12,581.9	31.6
1985	91.0	132.0	49.0	1,345.0	222.0	264.0	1,245.0	492.0	3,840.0	12,160.0	31.6
1986	91.0	124.0	51.0	1,315.0	232.0	255.0	1,252.0	426.0	3,746.0	11,787.7	31.8
1987	90.0	121.0	52.0	1,369.0	259.0	271.0	1,297.0	465.0	3,924.0	11,815.7	33.2
1988	91.0	117.0	50.0	1,444.0	283.0	287.0	1,351.0	526.0	4,149.0	12,153.2	34.1
1989	92.0	112.0	51.0	1,506.0	303.0	319.0	1,421.0	571.0	4,375.0	12,456.9	35.1
1990	94.0	109.0	49.0	1,567.0	305.0	320.0	1,478.0	568.0	4,490.0	12,560.2	35.7
1991	95.0	105.0	47.0	1,635.0	324.0	330.0	1,560.0	575.0	4,671.0	12,842.9	36.4
1992r	97.0	105.0	47.0	1,667.0	335.0	348.0	1,581.0	631.0	4,811.0	13,025.1	36.9
1993r	103.0	98.0	42.0	1,760.0	313.0	410.0	1,666.0	549.0	4,941.0	13,226.8	37.4
1994r	112.0	100.0	43.0	1,917.0	400.0	359.0	1,818.0	567.0	5,316.0	13,924.4	38.2
1995r	120.0	101.0	43.0	2,050.0	455.0	374.0	1,901.0	564.0	5,608.0	14,729.6	38.1
1996	119.0	103.0	44.0	2,023.0	320.0	459.0	1,945.0	653.0	5,666.0	15,026.4	37.7
1997p	116.0	104.0	45.0	1,970.0	320.0	550.0	1,830.0	670.0	5,605.0	14,912.8	37.6

(1) Comprises heifers for beef herd replacement. Prior to 1976, included slaughter heifers.

Note: Cattle statistics prior to 1975 are as of June 1. Data are subject to revision.

Source: Agriculture Division, Statistics Canada

Table 59 Pigs on Alberta Farms, July 1, 1954-1997

Table 59 Pigs on Alberta Farms, July 1, 1954-1997										Alberta
Breeding Stock				All Other Pigs				Total		as a %
Boars	Sows	Total		- 45 lbs	45-130 lbs	+130 lbs	Total	Alberta	Canada	of Canada
								1,195.0	4,440.0	26.9
								1,195.0	4,799.5	24.9
1954	-	-	-	-	-	-	-	1,211.5	4,730.9	25.6
1955	-	-	-	-	-	-	-	1,289.0	4,758.0	27.1
1956	-	-	-	-	-	-	-	1,680.0	5,931.0	28.3
1957	-	-	-	-	-	-	-	1,759.0	6,519.0	27.0
1958	-	-	-	-	-	-	-	1,339.0	5,070.0	26.4
1959	-	-	-	-	-	-	-	1,470.0	5,331.2	27.6
1960	-	-	-	-	-	-	-	1,190.0	4,981.0	23.9
1961	-	-	-	-	-	-	-	1,113.0	5,211.0	21.4
1962	-	-	-	-	-	-	-	1,302.0	5,667.0	23.0
1963	-	-	-	-	-	-	-	1,169.0	5,147.0	22.7
1964	-	-	-	-	-	-	-	1,092.7	5,401.3	20.2
1965	-	-	-	-	-	-	-	1,262.0	6,070.0	20.8
1966	-	-	-	-	-	-	-	1,266.0	5,771.0	21.9
1967	-	-	-	-	-	-	-	1,187.0	5,809.0	20.4
1968	-	-	-	-	-	-	-	1,532.0	7,113.0	21.5
1969	-	-	-	-	-	-	-	1,739.1	7,624.0	22.8
1970	-	-	-	-	-	-	-	1,510.0	6,995.0	21.6
1971	-	-	-	-	-	-	-	1,540.0	7,022.0	21.9
1972	-	-	-	-	-	-	-	1,375.0	6,564.0	20.9
1973	-	-	-	-	-	-	-	920.0	5,284.0	17.4
1974	-	-	-	-	-	-	-	879.9	5,855.2	15.0
1975				321.8	257.5	206.5	785.8	944.3	6,394.0	14.8
1976	7.6	86.5	94.1	339.5	286.9	218.1	844.5	960.0	7,373.7	13.0
1977	7.8	92.0	99.8	365.7	296.1	193.3	855.1	1,130.0	9,165.8	12.3
1978	8.1	96.8	104.9	361.1	363.9	274.2	999.2	1,251.0	10,090.5	12.4
1979	9.5	121.3	130.8	401.6	393.1	320.9	1,115.6	1,185.0	9,872.2	12.0
1980	9.6	125.8	135.4	368.7	380.0	300.0	1,048.7	1,180.0	9,702.5	12.2
1981	9.3	127.0	136.3	377.0	370.0	299.0	1,046.0	1,255.0	9,887.6	12.7
1982	9.0	125.0	134.0	385.0	393.0	334.0	1,112.0	1,470.0	10,272.5	14.3
1983	10.0	133.0	143.0	435.0	464.0	405.0	1,304.0	1,475.0	10,154.0	14.5
1984	11.0	155.0	166.0	402.0	461.0	450.0	1,313.0	1,508.0	9,891.3	15.2
1985	10.0	152.0	162.0	444.0	472.0	422.0	1,338.0	1,670.0	10,529.1	15.9
1986	11.0	159.0	170.0	506.0	506.0	470.0	1,482.0	1,807.0	11,038.3	16.4
1987	13.0	175.0	188.0	530.0	562.0	518.0	1,610.0	1,809.0	10,820.5	16.7
1988	13.0	184.0	197.0	540.0	543.0	527.0	1,610.0	1,689.0	10,146.3	16.6
1989	14.0	185.0	199.0	505.0	505.0	490.0	1,500.0	1,760.0	10,444.5	16.9
1990	13.0	176.0	189.0	545.0	525.0	490.0	1,560.0	1,913.1	10,803.0	17.7
1991	13.0	187.0	200.0	560.2	606.5	533.4	1,700.1	1,848.6	10,596.4	17.4
1992r	14.1	198.9	213.0	544.4	571.0	526.1	1,641.5	1,778.6	10,728.1	16.6
1993r	12.9	194.2	207.1	533.1	536.5	498.9	1,568.5	2,031.1	11,536.0	17.6
1994r	13.5	196.6	210.1	586.1	624.2	615.9	1,826.2	1,875.9	11,547.6	16.2
1995r	13.3	191.6	204.9	538.0	591.7	555.7	1,685.4	1,835.9	11,830.2	15.5
1996	12.0	178.5	190.5	550.2	573.0	520.0	1,643.2			
1997p	10.4	182.3	192.7							

Note: Pig statistics prior to 1975 are as of June 1. Data are subject to revision.
Source: Agriculture Division, Statistics Canada

Table 60 Sheep and Lambs on Alberta Farms, July 1, 1954-1997

					Total		Alberta
	Rams	Ewes &	Lambs, Breeding	Lambs, Market	Alberta	Canada	as a % of Canada
	1 Year Plus	Wethers	Under 1 Year	Under 1 Year			
'000 head							
1954	-	-	-	-	387.0	1,635.6	23.7
1955	-	-	-	-	409.0	1,634.0	25.0
1956	-	-	-	-	404.8	1,619.7	25.0
1957	-	-	-	-	426.0	1,628.5	26.2
1958	-	-	-	-	435.0	1,629.5	26.7
1959	-	-	-	-	465.0	1,608.5	28.9
1960	-	-	-	-	495.0	1,607.0	30.8
1961	-	-	-	-	496.9	1,548.2	32.1
1962	-	-	-	-	469.0	1,449.0	32.4
1963	-	-	-	-	431.0	1,346.0	32.0
1964	-	-	-	-	400.0	1,272.0	31.4
1965	-	-	-	-	355.0	1,132.0	31.4
1966	-	-	-	-	301.4	1,005.5	30.0
1967	-	-	-	-	260.0	922.0	28.2
1968	-	-	-	-	210.0	829.2	25.3
1969	-	-	-	-	180.0	796.0	22.6
1970	-	-	-	-	199.0	796.0	25.0
1971	-	-	-	-	244.9	851.3	28.8
1972	-	-	-	-	259.0	845.0	30.7
1973	-	-	-	-	255.0	832.5	30.6
1974	-	-	-	-	250.0	783.5	31.9
1975	-	-	-	-	226.0	702.6	32.2
1976	-	-	-	-	183.0	577.2	31.7
1977	-	-	-	-	146.5	558.6	26.2
1978	-	-	-	-	142.5	587.2	24.3
1979	-	-	-	-	153.5	648.7	23.7
1980	-	-	-	-	178.0	733.8	24.3
1981	-	-	-	-	198.0	803.2	24.7
1982	-	-	-	-	203.0	811.9	25.0
1983	-	-	-	-	202.0	802.9	25.2
1984	4.5	85.5	-	-	188.0	768.8	24.5
1985	4.1	75.9	-	-	175.0	720.3	24.3
1986	3.9	79.0	17.8	82.9	183.6	694.9	26.4
1987	4.3	89.0	21.0	88.7	203.0	731.3	27.8
1988	4.6	97.0	23.0	106.4	231.0	788.9	29.3
1989	5.0	110.0	26.0	110.0	251.0	827.5	30.3
1990	5.6	120.0	28.0	121.4	275.0	874.4	31.5
1991	6.0	135.0	32.0	126.0	299.0	917.8	32.6
1992	7.6	143.5	36.9	123.0	311.0	897.1	34.7
1993	6.0	135.2	27.6	118.2	287.0	883.0	32.5
1994r	6.3	116.0	29.6	98.1	250.0	825.6	30.3
1995r	5.7	124.7	31.4	102.2	264.0	857.6	30.8
1996	6.0	115.3	30.7	92.5	244.5	846.7	28.9
1997p	6.0	115.5	30.7	101.7	253.9	831.2	30.5

Note: Sheep statistics prior to 1975 are as of June 1. Data are subject to revision.

Source: Agriculture Division, Statistics Canada

Fig. 23 Number of Cattle Slaughtered (Excluding Calves) - Alberta as a Per Cent of Canada, 1987-1996

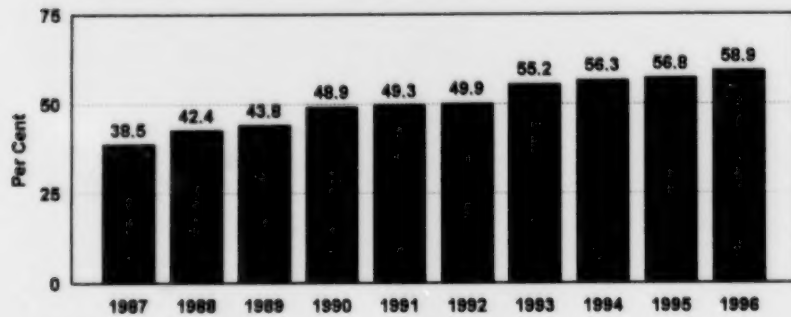


Fig. 24 Slaughter Cattle Marketings (Excluding Calves), Alberta and Canada, 1987-1996

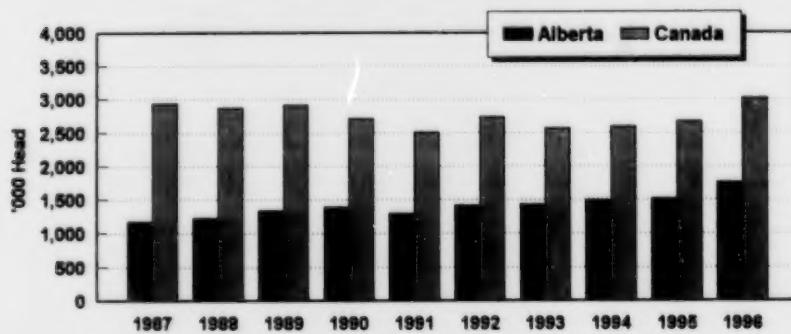


Fig. 25 Alberta Direct to Packer Steer Prices, 1987-1996

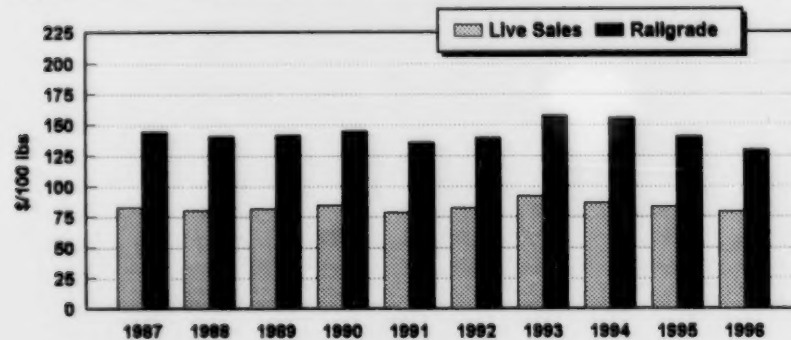


Table 61 Livestock Slaughtered (1), Canada and Provinces, 1991-1996

	Canada	Alberta	Sask. & Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces	
Cattle and Calves (head)								
1991	2,893,894	1,251,314	311,261	76,589	714,926	451,909	87,895	
1992	3,124,461	1,377,142	266,898	75,297	872,007	438,445	94,672	
1993	2,927,855	1,438,019	159,302	67,120	788,390	387,525	87,499	
1994	2,955,652	1,489,255	165,143	57,869	765,064	391,312	87,009	
1995	3,039,234	1,538,370	194,507	58,027	769,453	389,655	89,222	
1996	3,381,737	1,795,559	209,471	60,216	818,079	407,384	91,028	
	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Hogs (head)								
1991	13,861,391	1,898,525	706,354	1,967,649	461,929	3,832,812	4,456,978	537,144
1992	15,251,929	2,287,266	910,851	2,092,009	535,610	4,225,328	4,666,685	534,180
1993	14,963,984	2,135,232	931,136	1,856,252	539,164	4,304,588	4,698,711	498,901
1994	15,247,933	2,125,311	976,949	2,021,569	590,990	4,257,975	4,806,270	468,869
1995	15,551,853	2,225,036	873,316	2,000,689	542,168	4,210,329	5,210,481	489,834
1996	14,956,745	2,135,395	887,829	1,938,028	423,495	3,506,539	5,578,573	486,886
	Canada	Western Canada	Ontario	Quebec	Atlantic Provinces			
Sheep and Lambs (head)								
1991	344,823	119,465	154,106	62,477	8,775			
1992	364,925	119,265	172,219	65,476	7,965			
1993	331,986	94,477	171,733	58,374	7,402			
1994	328,777	85,102	172,911	64,334	6,430			
1995	315,012	74,942	166,015	67,811	6,244			
1996	328,333	78,535	175,191	68,417	6,190			

(1) Data represent livestock slaughtered in federally and provincially-inspected plants, irrespective of origin.

Source: Agriculture and Agri-Food Canada

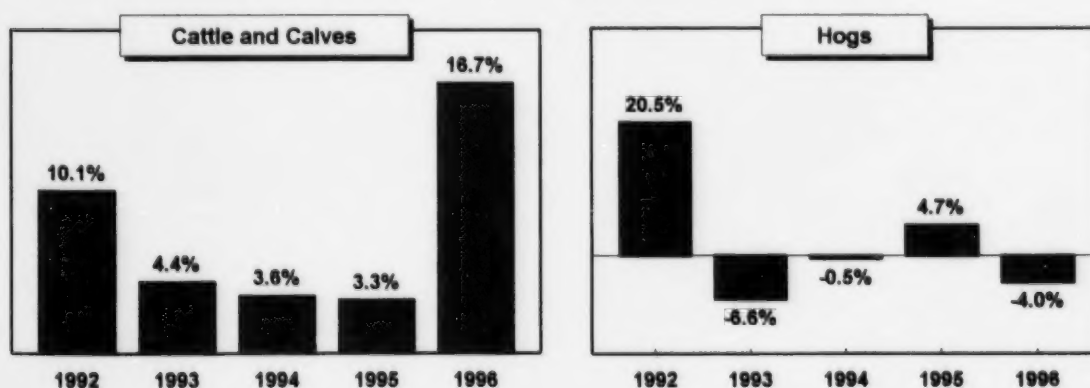
Fig. 26 Slaughter Activity in Alberta, Annual Per Cent Change, 1992-1996

Table 62 Livestock Slaughtered in Alberta (1), 1987-1996

	Steers	Heifers	Cows	Bulls	Total Cattle	Calves	Total Cattle & Calves	Hogs	Sheep & Lambs
	Head								
1987	636,053	356,186	154,045	5,138	1,151,422	6,839	1,158,261	1,761,247	69,892
1988	679,974	376,208	163,579	6,828	1,226,589	6,326	1,232,915	1,563,774	76,326
1989	709,409	377,295	197,953	5,592	1,290,249	6,204	1,296,453	1,605,550	83,996
1990	742,298	414,273	167,903	4,976	1,329,450	5,267	1,334,717	1,896,856	80,347
1991	716,795	357,942	166,238	5,491	1,246,466	4,848	1,251,314	1,898,525	94,506
1992	808,366	388,603	152,763	4,106	1,372,375	4,767	1,377,142	2,287,266	102,042
1993	837,044	416,989	171,370	5,734	1,434,639	3,380	1,438,019	2,135,232	80,254
1994									
Jan	59,899	33,371	11,769	111	105,150	182	105,332	172,258	4,793
Feb	50,230	38,830	12,089	109	101,258	204	101,462	163,846	3,790
Mar	69,322	44,119	15,313	248	129,002	294	129,296	210,648	6,115
Apr	69,568	31,687	11,179	644	113,078	154	113,232	168,754	4,769
May	83,388	30,177	10,236	633	124,434	83	124,517	162,559	4,739
Jun	106,512	36,517	12,238	402	155,669	79	155,748	203,957	5,426
Jul	84,364	30,476	8,475	390	123,705	131	123,836	168,801	5,084
Aug	79,090	27,739	9,661	581	117,071	81	117,152	157,723	7,560
Sep	92,004	39,840	14,024	515	146,383	48	146,431	171,586	6,506
Oct	66,935	37,038	13,531	310	118,253	69	118,322	170,369	5,711
Nov	59,613	39,060	18,134	289	117,096	134	117,230	176,575	5,504
Dec	71,250	43,093	22,068	208	136,619	78	136,697	198,235	6,305
Annual	892,175	431,947	158,717	4,440	1,487,718	1,537	1,489,255	2,125,311	66,302
1995									
Jan	58,116	38,324	17,605	186	114,231	109	114,340	174,990	-
Feb	52,556	44,075	18,690	173	115,494	88	115,582	174,321	-
Mar	72,710	57,562	17,183	149	148,592	177	148,769	220,957	-
Apr	75,031	25,167	12,789	225	114,634	80	114,714	175,060	-
May	87,662	26,237	10,010	693	124,601	87	124,688	175,489	-
Jun	106,221	37,013	12,446	451	158,603	93	158,696	204,793	-
Jul	83,076	28,443	9,948	645	123,746	88	123,834	167,944	-
Aug	74,485	27,107	8,815	491	112,348	106	112,454	165,285	-
Sep	97,224	35,715	12,951	563	147,553	69	147,622	211,730	-
Oct	61,782	41,005	13,358	443	118,533	144	118,677	171,712	-
Nov	61,932	38,237	20,195	196	123,194	101	123,295	182,351	-
Dec	70,535	39,812	23,817	119	135,631	68	135,699	200,404	-
Annual (2)	901,330	438,697	177,807	4,334	1,537,160	1,210	1,538,370	2,225,036	-
1996									
Jan	-	-	-	-	128,824	74	128,898	169,381	-
Feb	-	-	-	-	129,418	66	129,484	169,337	-
Mar	-	-	-	-	166,007	39	166,046	209,324	-
Apr	-	-	-	-	129,778	48	129,826	166,455	-
May	-	-	-	-	146,300	53	146,353	164,178	-
Jun	-	-	-	-	190,127	23	190,150	203,865	-
Jul	-	-	-	-	146,014	40	146,054	158,082	-
Aug	-	-	-	-	145,893	29	145,922	160,910	-
Sep	-	-	-	-	173,327	104	173,431	202,183	-
Oct	-	-	-	-	139,630	176	139,806	167,737	-
Nov	-	-	-	-	134,061	137	134,198	166,093	-
Dec	-	-	-	-	165,326	65	165,391	197,850	-
Annual (2)	-	-	-	-	1,794,705	854	1,795,559	2,135,395	-

Note: Sheep and lamb slaughter data for Alberta are not available after 1994.

(1) Data represents livestock slaughtered in federally and provincially inspected plants in Alberta, irrespective of origin. Provincially inspected slaughter rose sharply after 1991 due to a change in data collection procedures.

(2) In the case of cattle by class type, monthly data do not add up to totals, as revisions are unavailable.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada

Table 63 Livestock Marketings (1), Canada and Provinces, 1991-1996

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Cattle and Calf (head)								
1991	2,875,726	1,288,839	235,091	68,593	66,651	736,779	409,783	69,990
1992	3,107,921	1,407,802	203,842	54,223	69,569	887,718	412,321	72,446
1993	2,891,824	1,423,103	161,806	45,115	60,556	771,938	367,613	61,693
1994	2,901,790	1,479,560	158,755	56,716	54,494	743,010	352,321	56,934
1995	2,996,805	1,502,356	190,782	70,604	55,503	758,968	356,363	62,229
1996	3,350,572	1,743,471	217,343	63,824	60,203	781,276	418,561	65,894
Hog (head)								
1991	13,861,391	2,027,027	955,299	1,717,307	335,540	3,797,837	4,504,290	524,091
1992	15,251,929	2,464,576	1,059,000	2,018,186	305,651	4,232,639	4,648,049	523,828
1993	14,963,984	2,384,563	1,031,631	2,001,851	323,904	4,019,152	4,711,398	491,485
1994	15,247,933	2,427,873	1,057,551	2,151,389	348,399	3,972,738	4,790,992	498,991
1995	15,551,853	2,439,907	1,018,177	2,195,044	328,345	3,973,586	5,075,432	521,362
1996	14,956,745	2,224,776	998,608	1,921,233	296,032	3,582,263	5,392,218	541,615
Sheep and Lamb (head)								
1991	269,220	75,678	1,593	5,715	15,253	102,647	59,928	8,406
1992	362,108	99,095	2,553	5,056	11,115	174,089	62,231	7,969
1993	333,927	81,568	1,074	4,180	10,230	174,653	54,644	7,578
1994	324,479	67,975	842	3,208	9,959	173,980	62,038	6,477
1995	308,495	57,562	598	6,634	8,359	167,071	61,914	6,357
1996	-	-	-	-	-	-	-	-

Note: Marketings does not include exports. Data for sheep and lamb marketings are not available for 1996.

(1) Data represent livestock slaughtered in federally and provincially inspected plants by province of origin.

Source: Agriculture and Agri-Food Canada

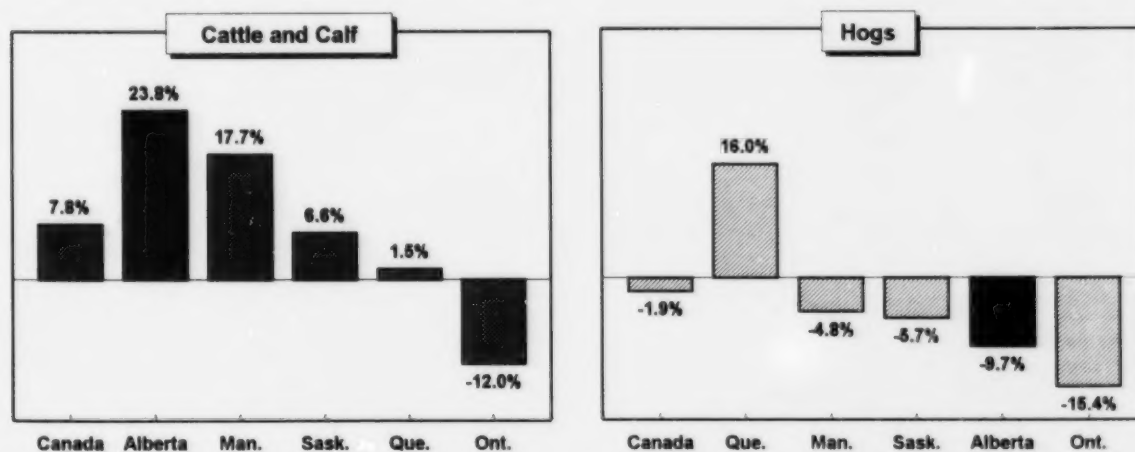
Fig. 27 Livestock Marketings for Canada and Selected Provinces, Five-Year Per Cent Change 1996 / 1992


Table 64 Alberta Slaughter Cattle and Calf Marketings (1), 1987-1996

		Steers	Helfers	Cows	Bulls	Total Cattle	Calves	Total Cattle & Calves
		head						
1987		634,977	354,103	167,012	9,779	1,165,871	6,876	1,172,747
1988		657,166	365,835	175,378	11,207	1,209,586	6,360	1,215,946
1989		723,032	377,532	213,886	12,008	1,326,449	6,265	1,332,714
1990		766,769	420,469	179,924	10,533	1,377,695	5,382	1,383,077
1991		732,789	366,311	175,298	9,550	1,283,948	4,891	1,288,839
1992		828,920	398,031	168,367	7,744	1,403,062	4,740	1,407,802
1993		840,062	416,873	154,920	7,776	1,419,631	3,472	1,423,103
1994	Jan	60,067	33,106	11,146	140	105,481	182	105,663
	Feb	50,209	38,259	11,082	68	100,656	204	100,860
	Mar	68,997	43,006	14,472	211	128,336	294	128,630
	Apr	66,561	31,482	10,455	645	109,143	155	109,298
	May	86,473	30,221	9,493	635	126,822	83	126,905
	Jun	109,636	36,725	11,489	407	158,257	79	158,336
	Jul	85,195	29,703	8,323	392	123,613	131	123,744
	Aug	80,145	27,939	9,386	581	118,051	81	118,132
	Sep	94,721	38,826	13,064	566	147,177	48	147,225
	Oct	67,479	36,479	12,596	321	117,314	69	117,383
	Nov	58,695	38,462	15,767	302	113,226	134	113,360
	Dec	68,101	42,749	18,833	263	129,946	78	130,024
	Annual (r)	897,997	428,784	146,596	4,645	1,478,022	1,538	1,479,560
1995	Jan	58,823	38,064	15,149	211	112,247	109	112,356
	Feb	52,584	43,809	16,003	183	112,579	88	112,667
	Mar	71,818	57,084	15,502	472	144,876	177	145,053
	Apr	74,814	25,693	11,992	401	112,900	80	112,980
	May	88,071	25,791	9,751	732	124,345	87	124,432
	Jun	106,452	37,995	11,323	1,319	157,089	93	157,182
	Jul	82,124	28,271	10,048	910	121,353	90	121,443
	Aug	72,867	26,745	8,410	636	108,658	106	108,764
	Sep	97,448	35,312	12,390	754	145,904	69	145,973
	Oct	60,125	40,078	12,842	564	113,609	144	113,753
	Nov	60,454	38,295	18,088	307	117,144	101	117,245
	Dec	69,321	39,798	21,127	194	130,440	68	130,508
	Annual (r)	894,901	436,935	162,625	6,683	1,501,144	1,212	1,502,356
1996	Jan	-	-	-	-	123,350	76	123,426
	Feb	-	-	-	-	125,830	66	125,896
	Mar	-	-	-	-	162,616	41	162,657
	Apr	-	-	-	-	126,851	48	126,899
	May	-	-	-	-	139,939	53	139,992
	Jun	-	-	-	-	189,273	25	189,298
	Jul	-	-	-	-	181,585	40	181,625
	Aug	-	-	-	-	139,554	31	139,585
	Sep	-	-	-	-	132,985	109	133,094
	Oct	-	-	-	-	165,694	202	165,896
	Nov	-	-	-	-	130,136	146	130,282
	Dec	-	-	-	-	124,756	65	124,821
	Annual	-	-	-	-	1,742,569	902	1,743,471

Note: Monthly breakdown by class type may not add up to monthly and annual totals, as revisions are unavailable.

(1) Data represents cattle and calves of Alberta origin slaughtered in Alberta and other Canadian provinces.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada

Table 65 Summary Of Alberta Hog Marketings (1), 1988-1996

	1988	1989	1990	1991	1992	1993	1994	1995	1996 (2)
Head									
Graded	1,779,699	1,818,265	2,028,558	1,985,104	2,283,375	2,185,922	2,152,397	2,119,712	995,099
Emaciated	7	10	12	20	13	2	21	29	17
Ridglings	10,641	10,446	10,243	9,577	9,721	9,477	9,868	10,552	5,282
Sows	21,322	19,241	8,447	2,369	1,791	1,681	2,430	5,674	1,623
Stags	966	524	146	46	57	75	1	2	0
Boars	30	59	60	44	205	257	296	189	47
Total Graded	1,812,665	1,848,545	2,047,466	1,997,160	2,295,162	2,197,414	2,165,013	2,136,158	1,002,068
Ungraded	41,345	39,482	18,580	29,240	169,414	187,149	262,860	303,749	157,835
Grand Total	1,854,010	1,888,027	2,066,046	2,026,400	2,464,576	2,384,563	2,427,873	2,439,907	2,224,776

(1) Owing to changes in Alberta's hog grading system, hog marketings by index grading are no longer being reported. The apparent sharp increase in the number of ungraded animals in 1992 and onwards is a result of changes in data collection procedures for provincially inspected slaughter.

(2) Data refers to the six-month period from January to June, 1996. Breakdown data are not available from July to December, 1996. However, the grand total for 1996 is for the whole year.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada

Table 66 Alberta Supply and Disposition Livestock Balance Sheet, 1994-1996

July 1 to June 30	Cattle and Calves			Pigs			Sheep and Lambs		
	1994	1995	1996	1994	1995	1996	1994	1995	1996
000 head									
Beginning Inventory at July 1 (previous year)	4,941.0	5,316.0	5,608.0	1,848.6	1,778.6	2,031.1	287.0	250.0	264.0
Births (1)	1,891.5	1,978.0	2,062.2	2,638.1	3,082.7	2,796.0	169.1	187.1	173.3
Interprovincial Imports (2)	623.6	619.4	605.8	0.0	0.0	0.0	0.0	0.0	0.0
International Imports	7.8	56.9	8.2	1.8	1.5	1.0	4.0	8.1	2.6
Total Supply	7,463.9	7,970.3	8,284.2	4,488.5	4,862.8	4,828.1	460.1	445.2	439.9
Interprovincial Exports (2)	82.6	81.1	94.4	42.0	40.0	20.0	70.8	56.0	66.2
International Exports	436.3	564.5	711.1	117.3	198.3	438.8	14.0	10.3	12.7
Total Slaughter (3)	1,451.7	1,519.3	1,610.8	2,431.0	2,468.6	2,363.4	93.3	86.3	88.9
Deaths (4)	177.3	197.4	201.9	119.6	124.8	130.0	32.0	28.6	27.6
Total Disposition	2,147.9	2,362.3	2,618.2	2,709.9	2,831.7	2,952.2	210.1	181.3	195.4
Ending Inventory at June 30 (current year)	5,316.0	5,608.0	5,666.0	1,778.6	2,031.1	1,875.9	250.0	264.0	244.5

Note: Ending Inventory is derived by subtracting Total Disposition from Total Supply.

(1) Birth estimates for pigs have been adjusted for peri-natal mortality.

(2) Interprovincial imports and exports of feeder animals only. This number reflects net interprovincial movements in the case of sheep and lambs.

(3) Animals slaughtered in federally and provincially inspected plants (adjusted for interprovincial movements) and farm slaughter.

(4) Deaths include on-farm mortality and condemnations at slaughter.

Source: Agriculture Division, Statistics Canada

Table 67 Alberta Direct to Packer Sales, 1987-1996

		Steers - Live Sales		Heifers - Live Sales		Steers - Railgrade		Heifers - Railgrade	
		No. Sold	\$/100 lbs	No. Sold	\$/100 lbs	No. Sold	\$/100 lbs	No. Sold	\$/100 lbs
1987		181,949	82.92	63,529	79.94	93,423	144.15	42,641	139.35
1988		243,721	80.33	102,544	78.39	60,867	140.52	22,637	138.69
1989		328,215	81.36	116,658	80.06	55,969	141.49	23,579	142.42
1990		354,141	84.26	166,755	82.79	51,370	144.60	26,483	144.84
1991		359,393	78.13	148,303	77.52	72,533	135.57	21,717	137.68
1992		421,666	81.89	177,243	80.88	60,277	139.19	15,766	140.85
1993		430,342	91.90	201,353	90.79	54,959	157.11	11,610	156.92
1994	Jan	17,853	91.25	9,997	90.31	2,785	158.49	595	158.80
	Feb	22,428	91.01	20,071	90.36	670	158.85	895	156.24
	Mar	31,363	95.50	15,546	94.17	4,809	164.98	1,061	164.34
	Apr	38,583	93.82	14,286	92.72	2,708	164.35	380	163.42
	May	52,067	85.95	16,490	85.20	2,391	148.65	617	146.09
	Jun	60,543	81.07	15,450	80.33	1,307	137.50	305	138.01
	Jul	56,298	83.80	10,838	83.32	1,068	140.37	434	140.00
	Aug	42,176	84.73	10,368	85.81	632	144.04	392	147.54
	Sep	48,944	80.84	13,123	82.42	984	140.83	300	144.67
	Oct	25,720	81.02	11,979	81.76	286	141.51	584	141.18
	Nov	30,937	87.83	16,032	87.98	439	151.09	113	149.02
	Dec	37,657	88.06	18,439	88.02	277	154.92	662	153.73
	Annual	464,569	86.17	172,619	87.12	18,356	155.30	6,338	152.34
1995	Jan	31,672	94.53	20,027	94.57	545	159.39	541	164.47
	Feb	25,110	94.00	21,272	93.29	784	162.54	1,201	162.91
	Mar	46,763	89.60	25,095	89.26	2,102	158.03	642	149.31
	Apr	53,108	84.29	12,243	83.22	973	141.90	134	144.51
	May	53,808	80.59	16,496	79.59	1,579	138.69	516	137.98
	Jun	62,208	81.25	16,291	80.99	847	135.93	452	138.56
	Jul	45,542	80.00	10,061	80.04	2,771	135.88	403	136.44
	Aug	43,803	78.78	11,914	79.74	3,626	132.04	278	135.13
	Sep	60,340	77.06	12,896	78.47	2,419	130.40	558	133.51
	Oct	29,742	79.24	16,115	80.33	273	130.76	50	139.00
	Nov	26,378	83.45	16,674	83.76	1,410	143.09	60	143.83
	Dec	34,479	81.64	15,916	81.26	3,666	139.66	343	139.84
	Annual	512,953	82.91	195,000	84.72	20,995	139.98	5,178	147.60
1996	Jan	28,989	79.33	19,201	79.47	2,769	136.30	485	138.87
	Feb	28,990	75.30	20,166	74.57	1,228	129.10	1,381	132.45
	Mar	34,068	76.06	21,271	74.92	5,918	129.86	1,921	131.77
	Apr	32,411	71.97	11,021	71.42	17,858	122.59	3,414	121.17
	May	49,521	72.65	18,793	71.60	12,489	121.51	1,206	120.47
	Jun	58,284	73.17	17,453	72.36	8,587	122.93	1,972	122.13
	Jul	42,671	78.09	19,076	77.56	4,724	131.36	957	132.82
	Aug	43,486	81.84	14,594	81.61	5,466	136.21	1,612	136.99
	Sep	45,415	86.50	22,751	86.78	6,513	144.83	1,571	145.19
	Oct	32,077	87.25	21,437	87.30	1,662	144.61	1,529	145.92
	Nov	33,691	87.68	14,433	87.64	2,178	149.24	1,166	149.41
	Dec	31,395	79.15	19,021	78.57	4,246	135.12	2,152	137.12
	Annual	460,998	78.80	219,217	78.89	73,638	129.20	19,366	132.79

Source: "Livestock Market Review", Agriculture and Agri-Food Canada

Table 68 Alberta Slaughter Cattle Prices, 1989-1997

	Slaughter Steers (1)	Slaughter Heifers (1)	Cows D1/D2	Cows D3	Feeder Cows	Bulls
1989	81.54	80.15	54.72	48.90	58.99	66.76
1990	84.30	82.70	58.23	52.14	62.24	70.23
1991	78.31	77.60	54.98	49.43	60.40	68.64
1992	82.22	81.15	55.46	50.38	59.28	68.73
1993	92.02	90.73	62.90	56.38	67.60	75.33
1994	86.34	87.12	60.31	54.23	65.95	73.48
1995	82.90	84.71	51.26	45.09	55.68	59.46
1996	78.42	78.67	44.92	38.17	44.54	48.58
1997p Jan	79.71	79.45	42.16	36.54	42.75	44.97
Feb	84.12	83.13	47.64	41.42	47.79	50.68
Mar	87.15	85.88	56.02	49.21	53.19	58.64
Apr	86.30	85.15	55.34	48.37	61.03	62.00
May	84.69	84.02	55.28	48.17	59.35	62.47
Jun	82.31	81.02	54.44	48.20	57.17	62.03
Jul	83.00	81.95	55.05	48.87	56.93	61.93
Aug	83.55	83.30	53.81	46.83	54.44	62.32
Sep	80.19	82.30	48.89	42.32	53.25	58.51
Oct	84.00	85.79	45.84	38.95	50.55	54.88
Nov	87.20	87.65	44.41	39.67	48.65	51.22
Dec	85.81	86.50	46.85	40.75	51.00	52.40
Annual	84.00	83.85	50.48	44.11	53.01	56.84

(1) Weighted average of weekly prices.

Source: Canfax

Fig. 28 Selected Alberta Slaughter Cattle Prices, 1989-1997

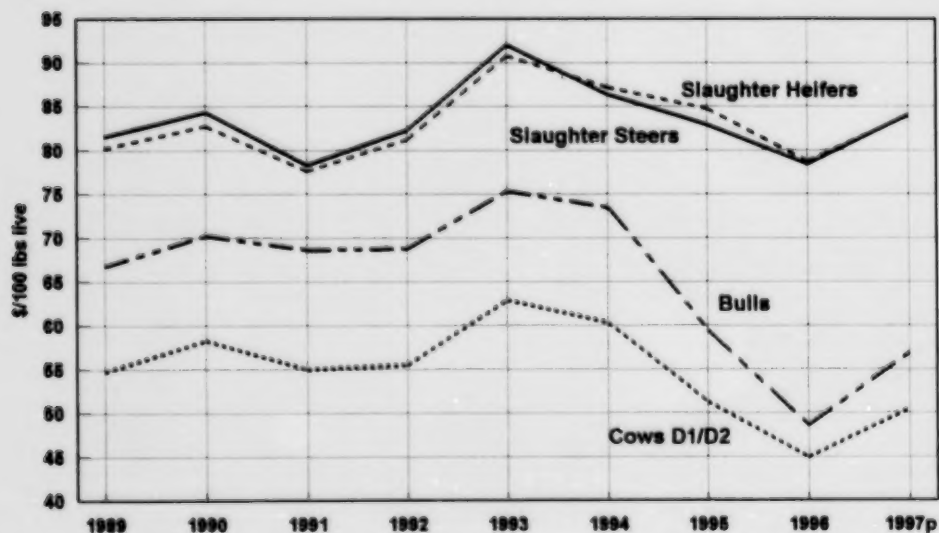


Table 69 Average Feeder Cattle Prices, Edmonton (1), 1987-1997

	Feeder Steers				Feeder Heifers			
	+900 lbs	800 to 900 lbs (2)	700 to 800 lbs	600 to 700 lbs	+800 lbs	700 to 800 lbs (3)	600 to 700 lbs	500 to 600 lbs
	\$/100 lbs live				\$/100 lbs live			
1987	88.42	94.90	99.53	105.94	83.16	89.09	95.33	102.06
1988	85.71	92.01	99.24	104.52	81.11	87.39	92.70	96.79
1989	84.82	89.77	93.04	97.18	79.91	84.34	87.66	91.32
1990	85.79	91.56	93.73	97.69	82.51	86.86	88.88	93.86
1991	88.63	94.51	98.77	103.11	87.05	91.65	96.04	99.36
1992	85.77	89.21	94.65	102.25	83.84	87.43	93.21	99.90
1993	103.31	106.52	112.34	121.18	100.79	105.20	110.86	118.67
1994	101.16	107.11	110.79	114.10	100.11	106.84	109.50	113.45
1995								
Jan	98.50	101.61	104.83	110.77	99.30	102.48	105.64	112.31
Feb	95.65	99.37	103.44	110.74	96.38	99.93	104.65	111.02
Mar	88.19	91.73	97.53	106.30	89.66	92.82	96.88	99.86
Apr	83.00	87.26	93.39	102.56	85.16	89.46	94.40	101.20
May	81.76	86.52	91.77	100.83	82.91	87.63	88.09	98.15
Jun	82.78	87.93	92.47	99.59	83.43	87.22	92.26	97.83
Jul	82.90	88.59	92.03	98.03	83.72	85.84	89.66	94.96
Aug	84.10	87.57	90.65	93.71	84.71	87.66	90.02	94.03
Sep	83.07	86.39	89.62	91.54	83.25	85.72	86.81	87.78
Oct	82.99	86.57	87.45	88.65	82.68	83.82	84.62	85.44
Nov	83.08	84.96	84.65	83.50	82.61	81.96	80.53	81.45
Dec	82.79	83.57	80.96	81.01	80.12	76.14	75.54	75.21
Annual	85.91	91.36	93.78	94.17	86.71	90.49	91.01	91.29
1996								
Jan	70.25	69.76	69.88	71.94	65.19	65.65	65.66	66.97
Feb	66.34	67.06	68.06	70.44	61.19	64.26	62.62	64.00
Mar	67.26	68.14	69.73	72.88	61.75	62.92	65.22	66.44
Apr	65.00	67.50	71.00	74.25	60.16	62.94	63.75	64.84
May	66.25	68.93	70.10	71.70	59.93	61.65	62.60	62.56
Jun	72.44	75.25	76.63	77.51	67.50	70.50	71.13	71.16
Jul	76.05	78.50	80.40	81.40	72.98	74.20	74.20	75.00
Aug	81.44	82.44	83.06	83.13	75.63	76.75	76.25	76.00
Sep	81.19	82.19	82.09	81.75	75.59	75.91	73.84	73.25
Oct	79.05	79.70	79.56	79.28	72.58	72.93	70.60	70.00
Nov	80.38	81.75	81.28	81.78	74.91	73.21	72.22	73.31
Dec	76.66	77.50	78.33	78.75	70.00	70.50	69.94	71.44
Annual	73.53	74.89	75.84	77.07	68.12	69.29	69.00	69.58
1997p								
Jan	81.69	83.88	85.00	88.88	75.81	76.84	77.41	78.69
Feb	83.00	85.34	88.51	95.38	78.78	81.63	83.25	85.50
Mar	82.19	84.47	88.53	94.13	78.59	82.53	84.81	86.91
Apr	82.96	88.90	93.40	98.33	81.80	86.15	88.45	89.15
May	88.31	95.09	99.47	104.59	85.75	92.88	96.15	98.63
Jun	87.91	96.09	101.75	107.53	89.13	93.38	97.88	103.25
Jul	95.80	102.43	105.80	112.00	92.50	96.85	101.60	103.60
Aug	96.13	105.38	109.75	114.63	96.48	101.84	106.38	110.13
Sep	93.25	101.44	106.97	109.53	93.53	97.69	100.03	102.50
Oct	92.53	101.40	104.83	108.45	92.46	96.80	100.80	104.40
Nov	93.03	100.88	103.66	108.38	91.70	95.00	96.09	102.16
Dec	95.38	103.19	106.63	110.50	94.19	97.28	99.00	104.06
Annual	89.35	95.71	99.53	104.36	87.56	91.57	94.32	97.42

(1) Prices prior to 1996 are weighted averages.

(2) Weight class prior to 1986: "+800 lbs".

(3) Weight class prior to 1986: "+700 lbs".

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Canfax

Table 70 Average Feeder Cattle Prices, Southern Alberta (1), 1987-1997

		Feeder Steers				Feeder Heifers			
		+900 lbs	800 to 900 lbs (2)	700 to 800 lbs	600 to 700 lbs	+800 lbs	700 to 800 lbs (3)	600 to 700 lbs	500 to 600 lbs
		\$/100 lbs live				\$/100 lbs live			
1987		91.74	96.47	101.91	111.06	88.75	94.43	99.42	105.37
1988		89.31	94.67	95.67	96.67	87.30	91.76	97.78	101.34
1989		89.49	92.81	95.98	102.71	87.15	89.64	93.40	97.43
1990		89.48	94.09	96.84	102.58	87.93	90.90	94.21	99.62
1991		89.91	94.53	99.94	103.36	87.47	94.48	98.11	99.26
1992		88.34	91.58	93.88	102.26	88.52	91.17	95.45	102.02
1993		101.85	105.33	109.14	119.73	102.66	106.24	113.26	120.75
1994		100.94	106.63	112.72	113.96	101.83	108.78	114.31	112.89
1995	Jan	98.30	103.59	107.45	111.71	98.86	103.20	107.32	112.59
	Feb	96.20	100.74	104.02	112.06	97.14	101.63	105.98	113.21
	Mar	89.88	93.71	100.42	110.88	91.76	97.56	101.13	109.04
	Apr	84.69	91.93	95.62	106.88	89.80	93.11	97.77	101.52
	May	83.07	88.95	98.62	106.44	82.93	88.94	94.58	99.76
	Jun	85.83	90.14	96.42	106.11	84.53	93.43	98.12	98.96
	Jul	85.55	89.45	95.36	98.03	88.27	92.74	94.64	99.20
	Aug	86.51	88.76	92.79	96.42	86.92	89.37	91.13	98.40
	Sep	84.18	88.07	89.92	93.54	85.53	86.87	88.68	90.39
	Oct	85.24	89.58	89.66	91.22	85.25	85.74	86.26	87.55
	Nov	83.66	86.20	85.60	87.12	83.11	83.25	83.91	84.41
	Dec	82.76	83.12	82.40	82.01	80.71	79.71	80.89	80.98
	Annual	86.45	93.98	97.38	97.08	87.15	92.70	95.17	91.88
1996	Jan	66.00	70.70	68.97	68.53	64.50	66.26	64.75	65.28
	Feb	64.28	66.49	68.03	67.76	60.27	64.80	63.28	64.16
	Mar	67.00	69.34	71.00	72.25	60.93	65.88	65.88	66.75
	Apr	67.00	68.53	70.71	73.05	61.14	65.03	65.22	66.38
	May	66.75	69.03	71.90	73.67	59.04	64.97	65.52	63.90
	Jun	72.20	76.82	78.34	79.69	66.58	73.25	72.84	72.56
	Jul	76.23	79.60	82.02	80.53	71.93	77.18	78.13	74.47
	Aug	80.55	83.41	83.03	81.78	75.62	80.53	77.28	78.19
	Sep	81.99	85.81	83.54	82.22	75.66	81.71	79.09	76.44
	Oct	80.37	82.38	82.08	80.39	75.17	80.09	76.27	73.73
	Nov	77.85	79.92	81.16	84.31	73.85	76.88	75.78	77.19
	Dec	76.93	80.41	82.19	82.25	70.47	73.34	75.19	75.84
	Annual	73.10	76.04	76.91	77.20	67.93	72.49	71.60	71.24
1997p	Jan	79.00	79.29	84.83	86.26	71.08	74.63	76.66	76.03
	Feb	81.13	85.34	86.55	90.61	77.26	81.97	86.09	89.03
	Mar	83.02	86.63	92.47	100.94	77.74	87.50	90.48	92.33
	Apr	82.13	89.96	96.32	104.23	83.38	91.63	94.76	95.00
	May	88.97	95.74	98.03	106.13	87.78	95.03	97.06	98.19
	Jun	85.81	93.31	103.13	109.94	84.81	97.84	102.09	107.67
	Jul	93.80	107.86	104.92	105.75	90.32	100.67	105.50	105.31
	Aug	96.89	106.31	108.46	112.50	96.88	103.94	106.92	104.33
	Sep	93.41	104.33	108.00	110.38	96.20	103.82	104.31	104.09
	Oct	92.94	104.45	106.45	110.91	96.21	101.53	107.40	109.50
	Nov	92.88	100.16	103.95	109.03	91.78	96.06	102.63	108.12
	Dec	91.75	103.13	104.41	109.72	92.42	99.50	105.28	111.13
	Annual	88.48	96.38	99.79	104.70	87.16	94.51	98.27	100.06

(1) Prices prior to 1996 are weighted averages.

(2) Weight class prior to 1986: "+800 lbs".

(3) Weight class prior to 1986: "+700 lbs".

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Canfax

Table 71 Average Calf Prices, Edmonton (1), 1987-1997

Feeder Steer Calves				Feeder Heifer Calves		
		500 to 600 lbs	400 to 500 lbs	Under 400 lbs		
		\$ / 100 lbs live				
		400 to 500 lbs	300 to 400 lbs			
		\$ / 100 lbs live				
1987		116.24	123.83	131.34	108.48	115.98
1988		109.60	115.40	119.13	103.79	105.68
1989		104.66	108.33	113.20	97.22	102.48
1990		103.09	108.17	114.48	98.37	102.21
1991		108.64	113.35	122.61	107.00	114.06
1992		108.38	113.65	123.54	105.76	113.17
1993		130.94	140.52	154.28	126.59	136.01
1994		120.18	132.90	144.43	122.24	132.86
1995	Jan	120.14	130.92	127.33	119.35	123.57
	Feb	119.66	128.92	132.65	120.33	125.79
	Mar	114.96	122.23	128.52	112.08	115.22
	Apr	110.26	117.07	118.81	107.91	109.91
	May	110.11	115.90	124.31	103.66	111.70
	Jun	107.22	110.95	122.38	103.54	107.46
	Jul	103.10	106.00	116.93	100.16	103.56
	Aug	98.77	104.79	111.94	97.76	101.80
	Sep	93.59	97.68	107.29	90.93	94.95
	Oct	90.96	95.41	100.28	88.15	91.39
	Nov	87.53	93.26	99.76	85.35	88.59
	Dec	84.27	89.63	92.22	74.76	79.11
	Annual	97.24	101.75	108.17	92.86	97.74
1996	Jan	74.81	75.19	76.88	68.25	68.19
	Feb	72.25	74.00	74.88	65.13	65.50
	Mar	75.28	75.50	75.75	67.25	67.50
	Apr	76.25	77.00	76.25	65.69	66.13
	May	73.60	72.70	73.20	62.95	62.60
	Jun	77.88	78.88	80.50	71.25	72.75
	Jul	82.30	83.83	85.70	75.40	76.50
	Aug	83.25	85.88	86.75	76.25	77.38
	Sep	80.38	82.38	84.25	73.50	74.00
	Oct	79.70	81.80	81.70	69.50	69.80
	Nov	83.94	84.81	84.63	72.91	72.78
	Dec	82.06	83.00	82.25	72.54	71.31
	Annual	78.48	79.58	80.23	70.05	70.37
1997p	Jan	91.06	91.25	92.38	79.13	80.25
	Feb	99.88	102.25	102.13	86.88	86.00
	Mar	99.75	103.13	101.38	88.75	87.00
	Apr	101.40	103.80	106.20	91.55	91.35
	May	108.00	110.50	113.88	99.00	98.75
	Jun	112.38	115.00	116.38	103.25	105.75
	Jul	114.60	117.50	119.80	104.70	104.90
	Aug	122.88	124.88	129.00	112.91	114.75
	Sep	111.75	119.94	123.13	109.00	110.00
	Oct	111.85	121.30	125.33	105.35	107.80
	Nov	114.31	120.94	122.28	106.31	107.06
	Dec	118.91	126.00	126.13	107.50	109.75
	Annual	108.90	113.04	114.84	99.53	100.28

(1) Prices prior to 1996 are weighted averages.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Canfax

Table 72 Average Calf Prices, Southern Alberta (1), 1987-1997

Feeder Steer Calves				Feeder Heifer Calves	
	500 to 600 lbs	400 to 500 lbs	Under 400 lbs	400 to 500 lbs	300 to 400 lbs
	\$/100 lbs live			\$/100 lbs live	
1987	117.03	123.96	135.34	111.95	120.09
1988	110.34	115.24	121.77	105.10	109.58
1989	106.50	113.38	117.20	100.98	104.95
1990	107.29	113.71	117.84	104.87	107.42
1991	106.21	112.06	119.41	104.01	109.78
1992	109.60	117.38	121.70	106.72	110.08
1993	129.88	139.10	144.25	127.54	131.78
1994	116.95	124.08	128.28	118.36	120.97
1995					
Jan	119.13	122.65	128.59	118.52	123.23
Feb	119.50	126.00	129.53	118.07	122.88
Mar	116.46	124.19	127.90	113.74	123.33
Apr	110.38	114.82	116.71	105.56	108.96
May	109.75	108.00	123.00	102.87	105.31
Jun	106.17	114.07	118.00	104.43	110.00
Jul	107.14	110.67	115.50	106.75	-
Aug	100.84	108.33	123.61	100.85	104.00
Sep	94.90	98.47	105.43	93.45	99.08
Oct	93.47	98.37	102.77	90.58	93.67
Nov	90.84	95.68	100.88	87.68	89.67
Dec	86.25	89.18	91.88	83.36	82.34
Annual	95.35	99.12	105.89	93.24	96.29
1996					
Jan	69.75	81.00	-	67.38	-
Feb	70.75	72.94	-	66.88	-
Mar	74.09	77.00	-	67.19	75.00
Apr	73.73	72.88	-	66.41	-
May	74.44	75.08	-	63.63	-
Jun	81.41	80.04	-	74.38	70.50
Jul	78.38	80.00	-	78.83	-
Aug	83.56	77.75	77.67	76.63	75.33
Sep	81.59	82.22	82.63	76.66	75.83
Oct	82.50	81.30	83.75	74.25	72.63
Nov	83.41	87.00	87.06	72.50	72.69
Dec	83.09	82.44	81.91	72.72	73.13
Annual	78.06	79.14	82.60	71.46	73.59
1997p					
Jan	87.88	87.25	78.75	77.72	72.83
Feb	97.41	98.75	88.33	84.50	73.00
Mar	102.81	102.63	-	90.53	87.13
Apr	108.25	108.35	118.00	94.22	94.17
May	107.25	111.25	-	102.00	91.25
Jun	112.50	112.75	-	105.25	-
Jul	115.00	122.25	-	-	114.25
Aug	118.56	125.67	130.50	111.17	94.50
Sep	114.31	124.19	124.56	112.38	116.78
Oct	112.80	123.93	127.20	112.90	115.30
Nov	115.69	125.06	126.91	113.13	109.97
Dec	117.53	126.81	122.50	114.92	115.44
Annual	109.17	114.07	114.59	101.70	98.60

(1) Prices prior to 1996 are weighted averages.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Canfax

Fig. 29 Alberta Hog Marketings, 1987-1996

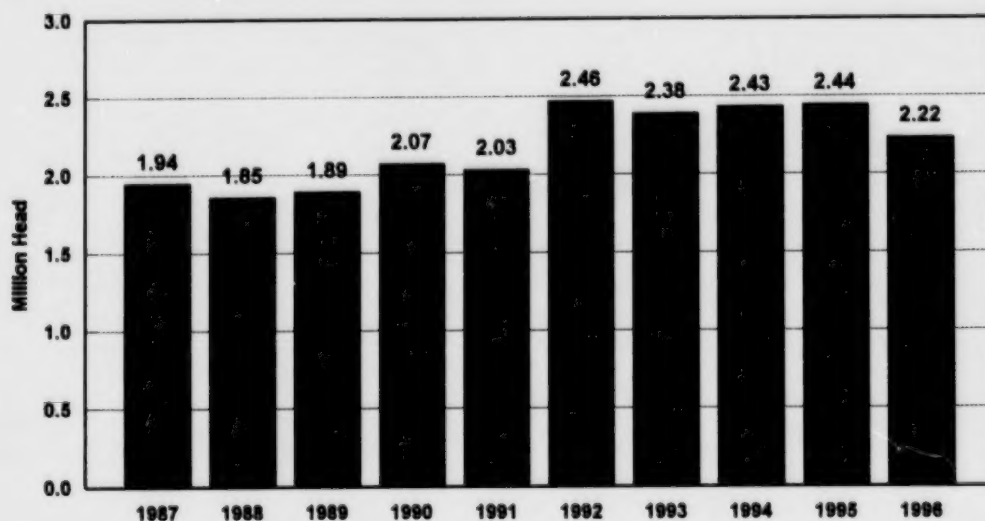


Fig. 30 Alberta Weighted Average Index 100 Dressed Hog Price, 1987-1997



Table 73 Average Slaughter Hog Prices, Alberta (1), 1987-1997

		Index 100 Dressed*	Sows Dressed*	Sows Live	Boars Live
		\$ / kg			
1987		1.68	1.17	0.93	0.75
1988		1.27	0.72	0.56	0.39
1989		1.26	0.81	0.63	0.36
1990		1.54	1.10	0.94	0.78
1991		1.36	1.07	0.84	0.72
1992		1.24	0.95	0.73	0.53
1993		1.46	1.12	0.84	0.60
1994		1.37	0.91	0.72	0.55
1995	Jan	1.35	0.74	0.53	0.39
	Feb	1.44	0.91	0.67	0.45
	Mar	1.37	1.02	0.77	0.59
	Apr	1.26	0.88	0.70	0.52
	May	1.27	0.87	0.67	0.51
	Jun	1.47	0.88	0.69	0.55
	Jul	1.64	0.88	0.69	0.58
	Aug	1.70	1.08	0.84	0.61
	Sep	1.71	1.12	0.89	0.67
	Oct	1.58	1.19	0.92	0.71
	Nov	1.38	1.07	0.81	0.66
	Dec	1.48	1.00	0.63	0.52
	Annual	1.47	0.98	0.73	0.56
1996	Jan	1.45	0.98	-	-
	Feb	1.61	1.01	-	-
	Mar	1.68	1.04	-	-
	Apr	1.70	1.11	-	-
	May	1.91	1.25	-	-
	Jun	1.96	1.43	-	-
	Jul	2.00	1.53	-	-
	Aug	2.07	1.59	-	-
	Sep	-	-	-	-
	Oct	1.93	-	-	-
	Nov	1.79	-	-	-
	Dec	1.89	-	-	-
	Annual	1.82	1.24	-	-
1997p	Jan	1.82	-	-	-
	Feb	1.77	-	-	-
	Mar	1.67	-	-	-
	Apr	1.85	-	-	-
	May	2.01	-	-	-
	Jun	2.00	-	-	-
	Jul	2.05	-	-	-
	Aug	1.92	-	-	-
	Sep	1.74	-	-	-
	Oct	1.63	-	-	-
	Nov	1.58	-	-	-
	Dec	1.47	-	-	-
	Annual	1.79	-	-	-

* Weighted Average Prices, with the exception of annual prices shown in 1996. Also, prices shown in 1997 are AAFRD estimates (1) Simple Average Prices.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Alberta Agriculture, Food and Rural Development

Table 74 Alberta Sheep and Lamb Marketings (1), 1987-1996

		Sheep	Lambs	Total
1987		3,720	53,716	57,436
1988		4,767	51,138	55,905
1989		4,844	63,394	68,238
1990		5,377	62,808	68,185
1991		6,269	69,409	75,678
1992		3,657	82,827	99,095
1993		3,848	77,720	81,568
1994 (2)				
	Jan	20	4,580	4,997
	Feb	28	3,668	4,000
	Mar	76	4,452	5,077
	Apr	1,202	3,483	4,685
	May	373	3,582	3,955
	Jun	304	5,729	6,033
	Jul	213	5,233	5,446
	Aug	724	6,869	7,593
	Sep	730	6,143	6,873
	Oct	364	5,730	6,416
	Nov	329	5,507	5,836
	Dec	303	6,761	7,064
	Annual	5,190	62,785	67,975
1995				
	Jan	196	3,866	4,062
	Feb	176	4,636	4,812
	Mar	55	4,107	4,162
	Apr	160	2,268	2,428
	May	228	2,553	2,781
	Jun	214	5,121	5,335
	Jul	97	4,648	4,745
	Aug	137	5,238	5,375
	Sep	116	6,826	6,942
	Oct	167	5,336	5,503
	Nov	110	5,209	5,319
	Dec	34	6,064	6,098
	Annual	1,690	55,872	57,562
1996				
	Jan	-	-	-
	Feb	-	-	-
	Mar	-	-	-
	Apr	-	-	-
	May	-	-	-
	Jun	-	-	-
	Jul	-	-	-
	Aug	-	-	-
	Sep	-	-	-
	Oct	-	-	-
	Nov	-	-	-
	Dec	-	-	-
	Annual	-	-	64,900 (estimate)

(1) These data represent sheep and lambs of Alberta origin slaughtered in Alberta and other Canadian provinces.

(2) Sheep and lamb monthly breakdown in 1994 may not add up to monthly and annual totals as revisions are not available.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Statistics Canada

Table 75 Average Lamb Prices, Edmonton (1), 1995-1997

		A & B < 60 lbs	A & B 61 to 80 lbs	A & B 81 to 94 lbs	A & B 95 to 109 lbs
		\$ / 100 lbs			
1995	Jan	101.00	100.25	91.00	86.25
	Feb	113.00	123.00	110.00	102.00
	Mar	121.00	117.00	103.00	98.00
	Apr	121.00	105.00	102.00	97.00
	May	117.00	116.00	113.50	108.00
	Jun	119.00	106.00	99.00	93.00
	Jul	114.50	104.00	95.00	92.00
	Aug	103.00	104.50	98.50	92.50
	Sep	104.50	105.00	97.75	90.75
	Oct	112.00	106.50	100.00	93.75
	Nov	112.00	112.00	99.00	95.00
	Dec	109.00	110.00	101.50	93.25
	Annual	112.25	109.10	100.85	95.13
1996	Jan	76.00	110.00	103.00	95.50
	Feb	109.00	113.40	109.00	102.50
	Mar	151.00	133.00	123.00	114.00
	Apr	135.75	120.00	123.00	115.00
	May	126.00	124.00	117.50	104.00
	Jun	130.00	124.00	121.00	116.00
	Jul	114.00	110.00	108.00	109.00
	Aug (2)	108.00	108.35	100.00	103.25
	Sep (2)	106.00	107.50	104.25	103.00
	Oct (2)	112.00	109.25	105.25	103.75
	Nov (2)	113.00	125.00	117.60	111.75
	Dec	131.00	128.00	119.00	107.00
	Annual	117.65	117.71	112.55	107.06
1997p	Jan	140.00	141.00	122.00	119.00
	Feb	131.00	138.00	130.00	124.00
	Mar	152.80	146.00	136.30	128.35
	Apr	150.00	146.00	130.00	134.00
	May	161.00	149.00	149.00	133.00
	Jun	127.30	129.00	122.00	117.00
	Jul	119.00	117.00	119.00	114.00
	Aug	112.00	112.00	105.25	103.00
	Sep (2)	121.40	119.50	112.80	108.95
	Oct (2)	114.50	128.00	117.00	107.50
	Nov	111.00	127.00	118.35	111.70
	Dec	144.65	134.00	129.60	116.80
	Annual	132.05	132.21	124.28	118.11

(1) Simple Average Prices.

(2) Prices from the second sale of the month.

Source: North Central Sheep and Goat Sales, Edmonton Stockyard Inc.

Table 76 Alberta Brand Inspection Record of Live Cattle and Calf Shipments Out-Of-Province (1), 1995 and 1996

	B.C.		Saskatchewan		Manitoba		Ontario		Quebec	
	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
head										
Feeders	6,698	10,743	27,843	30,433	512	441	47,863	33,726	0	286
Bulls	113	416	409	455	65	1	87	106	0	0
Cows	1,052	1,401	3,157	2,970	169	55	143	185	0	0
Heifers	1,998	2,454	9,615	12,155	86	26	10,694	11,519	0	0
Steers	3,250	5,839	13,601	13,823	160	181	27,512	18,095	0	286
Calves	170	378	680	642	32	178	9,043	3,714	0	0
Yearlings	115	255	381	388	0	0	384	107	0	0
Slaughter	4,236	15,352	33,608	35,988	3,944	3,718	10,756	12,723	1	36
Bulls	774	1,500	5,595	6,228	1,764	1,747	865	1,022	1	0
Cows	2,211	12,401	18,197	20,596	1,670	1,054	256	2,463	0	2
Heifers	140	410	3,847	3,706	117	385	360	955	0	0
Steers	1,110	941	5,946	5,364	393	532	9,181	8,104	0	34
Calves	1	100	8	9	0	0	94	179	0	0
Yearlings	0	0	15	85	0	0	0	0	0	0
Replacement	4,745	5,834	5,312	6,592	313	337	629	619	78	42
Bulls	752	603	550	540	25	29	34	29	8	7
Cows	1,747	2,952	1,232	3,053	50	91	51	411	34	10
Heifers	1,405	923	2,939	1,525	215	227	485	135	27	17
Calves	815	1,282	589	1,472	25	10	59	44	9	8
Yearlings	26	74	2	2	0	0	0	0	0	0
All Classes	15,679	31,929	66,763	73,013	4,771	4,516	59,248	47,068	79	364

	Maritimes		U.S.A.		Other		Total	
	1995	1996	1995	1996	1995	1996	1995	1996
head								
Feeders	0	3	7,439	34,068	0	0	90,355	109,700
Bulls	0	0	70	57	0	0	744	1,035
Cows	0	0	285	311	0	0	4,806	4,922
Heifers	0	3	3,008	17,759	0	0	25,401	43,916
Steers	0	0	3,811	15,929	0	0	48,334	54,153
Calves	0	0	265	11	0	0	10,190	4,923
Yearlings	0	0	0	1	0	0	880	751
Slaughter	0	0	616,926	731,914	0	0	669,471	799,731
Bulls	0	0	20,282	20,574	0	0	29,281	31,071
Cows	0	0	59,122	72,485	0	0	81,456	109,001
Heifers	0	0	206,695	317,482	0	0	211,159	322,938
Steers	0	0	330,405	320,464	0	0	347,035	335,439
Calves	0	0	10	18	0	0	113	306
Yearlings	0	0	412	891	0	0	427	976
Replacement	13	15	2,510	2,845	141	127	13,743	16,431
Bulls	9	10	1,485	1,474	96	7	2,959	2,699
Cows	1	0	254	312	27	0	3,396	6,829
Heifers	2	5	584	849	18	120	5,675	3,801
Calves	0	0	172	207	0	0	1,669	3,023
Yearlings	1	0	15	3	0	0	44	79
All Classes	13	18	626,875	768,827	141	127	773,569	925,862

(1) Shipments exclude unclassified animals.

Source: Livestock Marketing Services of Alberta Agriculture, Food and Rural Development

Table 77 Registrations and Sales of Registered Horses in Alberta, 1986-1996

	1986	1987	1988	1989	1990	1991	1992	1993	1994r	1995r	1996
Registrations by Breed Association (head)											
Arabian (1)	577	513	566	481	450	515	785	470	528	492	600
Appaloosa	306	365	352	366	393	330	272	350	414	462	430
Morgan	184	131	148	145	187	101	177	220	191	249	235
Paint	-	-	-	-	-	286	412	455	693	1,015	1,298
Quarter Horse	4,005	3,432	3,016	3,119	2,937	2,365	3,133	3,180	3,441	3,814	3,812
Standardbred (2)	271	399	404	362	355	335	319	325	362	321	319
Thoroughbred (2)	797	684	661	608	586	561	563	574	570	548	524
Draft	267	284	329	271	285	342	339	342	236	366	326
Other (3)	269	184	189	206	189	272	286	1,041	747	652	574
Total (4)	6,405	5,992	5,654	5,552	5,361	5,107	6,295	6,736	7,082	7,919	8,118
Ownership Transfers (head)											
Arabian (1)	629	595	751	685	671	572	615	512	534	549	574
Appaloosa	330	354	252	293	299	229	344	310	475	384	387
Morgan	203	153	234	203	234	191	242	242	295	285	277
Paint	-	-	-	-	-	-	-	-	-	-	-
Quarter Horse	4,789	4,891	4,686	4,105	3,963	3,642	4,370	4,391	4,473	4,894	4,907
Standardbred	-	-	-	-	-	-	-	-	-	-	-
Thoroughbred	-	-	-	-	-	-	-	-	-	-	-
Draft	302	386	316	399	347	356	369	370	305	389	358
Other (3)	165	148	314	210	166	189	312	814	668	725	411
Total (4)	6,418	6,527	6,553	5,795	5,680	5,179	5,612	6,639	6,740	7,226	6,914

(1) Includes part breed registrations due to computer system changes and changes to Canadian Registration requirements in 1991 and 1992 which inflated these figures. Partbreed transfers are not recorded (except when made at time of registration).

(2) Standardbred and Thoroughbred registrations were incomplete in 1995 due to recording system.

(3) Other registrations and transfers include the establishment of the Miniature Horse Registry in 1993.

(4) Transfer totals do not include Standardbreds, Thoroughbreds and Paints.

Source: Horse Industry Section, Animal Industry Division of Alberta Agriculture, Food and Rural Development; and Breed Registries

Table 78 Alberta Horse Meat Exports by Destination, 1987-1997

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996r	1997p
Quantity (tonnes)											
Europe	7,508	8,195	7,240	8,635	5,869	4,839	5,266	5,336	5,696	6,055	7,246
Japan	4,087	3,190	4,312	4,722	3,654	3,502	3,252	2,400	3,076	2,477	5,110
United States	0	76	35	24	17	0	0	0	38	54	23
Other Countries	79	571	493	636	78	86	18	0	25	14	254
Total	11,674	12,032	12,080	14,017	9,618	8,427	8,536	7,736	8,835	8,600	12,633
Value (\$'000)											
Europe	26,032	31,498	24,942	23,016	16,062	16,894	26,030	28,583	32,771	37,134	41,492
Japan	10,855	9,335	9,921	9,680	8,367	8,374	10,041	8,688	11,150	10,535	17,466
United States	0	87	102	17	22	0	0	0	14	11	23
Other Countries	101	544	487	535	74	132	96	0	277	97	407
Total	36,988	41,464	35,452	33,248	24,525	25,400	36,167	37,271	44,212	47,777	59,388

Source: Statistics Unit, Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development; and Statistics Canada

Table 79 Brand Inspection Record of Live Alberta Horse Shipments, 1995 and 1996

	Alberta		Other Provinces		Exports		Total	
	1995	1996	1995	1996	1995	1996	1995	1996
head								
Total Feeders	969	1,536	364	175	37	54	1,370	1,765
Fillies	86	32	22	20	17	0	125	52
Geldings	71	14	122	7	0	0	193	21
Mares	123	36	154	7	0	0	277	43
Stallions	31	7	5	9	0	0	36	16
Colts	658	1,446	61	132	20	52	739	1,630
Mules	0	1	0	0	0	2	0	3
Total Slaughter	16,788	11,200	443	815	2,257	1,541	19,488	13,556
Fillies	966	407	3	85	12	39	981	531
Geldings	1,941	1,136	152	252	936	597	3,029	1,985
Mares	3,671	3,231	279	332	1,247	855	5,197	4,418
Stallions	1,208	499	9	87	41	48	1,258	634
Colts	9,002	5,894	0	58	21	2	9,023	5,954
Mules	0	33	0	1	0	0	0	34
Total Replacement	106	0	92	57	19	32	217	89
Fillies	19	0	1	9	2	10	22	19
Geldings	0	0	2	0	0	0	2	0
Mares	53	0	72	28	13	5	138	33
Stallions	34	0	14	10	2	15	50	25
Colts	0	0	3	10	2	2	5	12
Total Unclassified	169	8	1,042	1,142	932	884	2,143	2,034
Fillies	0	1	94	82	10	91	104	174
Geldings	5	6	518	621	551	445	1,074	1,072
Mares	9	1	266	283	199	190	474	474
Stallions	1	0	62	37	32	113	95	150
Colts	154	0	102	105	140	43	396	148
Mules	0	0	0	14	0	2	0	16
Total All Classes	18,032	12,744	1,941	2,189	3,245	2,511	23,218	17,444

Source: Livestock Marketing Services of Alberta Agriculture, Food and Rural Development

Table 80 Pregnant Mare Urine (PMU) Statistics, Alberta, 1984-85 to 1996-97

	No. of Mares	No. of Farms	Gross Revenue (\$'000)
1984-85	1,800	16	1,774
1985-86	3,020	28	2,728
1986-87	2,700	27	2,637
1987-88	2,650	27	2,578
1988-89	2,869	27	3,262
1989-90	3,297	27	3,846
1990-91	3,416	26	4,472
1991-92	5,725	37	6,975
1992-93	9,674	64	11,969
1993-94	9,571	66	12,475
1994-95	9,580	66	13,556
1995-96	8,832	66	13,646
1996-97	8,042	64	12,950

Source: Horse Industry Section, Animal Industry Division of Alberta Agriculture, Food and Rural Development

Table 81 Output and Value of Poultry Meats, Alberta, 1987-1996

	Total Production		Consumed by Producers		Sold	
	tonnes	\$'000	tonnes	\$'000	tonnes	\$'000
Stewing Hen and Chicken						
1987	50,284	75,709	827	1,360	49,457	74,349
1988	48,839	71,564	860	1,358	47,979	70,206
1989	47,986	79,499	909	1,628	47,077	77,871
1990	51,065	84,154	909	1,623	50,156	82,531
1991	50,309	80,398	628	1,077	49,681	79,321
1992	51,030	79,199	554	905	50,476	78,294
1993	54,766	85,509	554	925	54,213	84,584
1994	60,770	92,925	579	821	60,191	92,104
1995r	63,495	91,713	562	792	62,933	90,921
1996	63,703	102,930	562	911	63,141	102,020
Turkey						
1987	1,000	17,872	52	94	9,955	17,778
1988	10,003	17,665	53	94	9,950	17,571
1989	9,850	18,577	56	105	9,794	18,472
1990	11,714	21,772	56	104	11,658	21,668
1991	11,795	20,963	46	83	11,749	20,880
1992	11,031	18,489	43	73	10,988	18,416
1993	10,797	18,282	41	69	10,757	18,213
1994	11,582	19,840	41	70	11,541	19,769
1995r	12,435	20,771	38	64	12,397	20,707
1996	11,687	21,978	38	70	11,649	21,908
Total Stewing Hen, Chicken and Turkey						
1987	51,284	93,581	879	1,454	59,412	92,127
1988	58,842	89,229	913	1,452	57,929	87,777
1989	57,836	98,076	965	1,733	56,871	96,343
1990	62,779	105,926	965	1,727	61,814	104,199
1991	62,104	101,361	674	1,160	61,430	100,201
1992	62,061	97,688	597	978	61,464	96,710
1993	65,563	103,791	595	994	64,970	102,797
1994	72,352	112,765	620	891	71,732	111,873
1995r	75,930	112,484	600	856	75,330	111,628
1996	75,390	124,908	600	981	74,790	123,928

Source: Statistics Canada Cat. No. 23-202 and Cat. No. 23-202-XPB, "Production of Poultry and Eggs"

Table 82 Average Prices of Poultry to Producers, Alberta, 1987-1996

		Live Chickens				Turkeys		
		Under 2.3 kg	2.3 kg & Under 2.8 kg	2.8 kg & Under 3.2 kg	3.2 kg & Over	5.4 kg & Under	Over 5.4 kg & Under 9.0 kg	9.0 kg & Over
		cents/kg						
1987		111.10	101.60	127.40	125.60	153.60	151.60	151.20
1988		109.50	100.00	124.00	124.00	149.80	148.00	146.30
1989		122.60	111.20	137.10	137.00	153.10	155.80	157.90
1990		122.20	112.50	136.60	136.60	155.60	154.90	157.60
1991		118.50	109.00	133.00	133.00	150.90	149.60	148.00
1992		115.40	105.90	129.90	129.90	146.40	142.10	138.40
1993		116.00	106.50	130.50	130.50	147.19	142.19	138.19
1994		114.08	109.50 *	...	...	149.24	144.06	140.91
1995	Jan	109.50	109.00 *	...	...	149.50	145.00	141.50
	Feb	109.50	109.00 *	...	...	149.25	144.50	141.50
	Mar	109.10	109.00 *	...	...	148.50	143.00	141.50
	Apr	109.00	109.00 *	...	...	148.50	143.00	141.50
	May	109.00	109.00 *	...	...	148.50	143.00	141.50
	Jun	109.00	109.00 *	...	...	146.40	140.60	138.80
	Jul	107.00	107.00 *	...	...	145.00	139.00	137.00
	Aug	105.00	105.00 *	...	...	145.00	139.00	137.00
	Sep	106.60	107.00 *	...	...	145.00	139.00	137.00
	Oct	107.00	107.00 *	...	...	146.50	140.50	138.50
	Nov	108.00	108.00 *	...	...	147.75	141.75	139.75
	Dec	109.60	109.60 *	...	...	148.00	142.00	140.00
	Annual (1)	108.22	108.17 *	...	...	147.30	141.63	139.61
1996	Jan	112.00	112.00 *	...	...	150.00	144.00	142.00
	Feb	115.40	115.40 *	...	...	152.00	146.40	144.40
	Mar	120.50	120.50 *	...	...	153.50	149.25	146.50
	Apr	121.75	121.75 *	...	...	154.75	150.75	148.50
	May	123.00	123.00 *	...	...	157.30	153.80	151.60
	Jun	123.00	128.25 *	...	...	160.00	156.50	153.75
	Jul	123.00	130.00 *	...	...	163.00	159.50	156.00
	Aug	125.00	132.00 *	...	...	163.50	160.00	156.60
	Sep	125.50	132.50 *	...	...	164.63	161.13	158.13
	Oct	125.00	132.00 *	...	...	165.00	161.50	158.50
	Nov	122.40	129.40 *	...	...	164.80	161.30	158.40
	Dec	112.00	119.00 *	...	...	163.25	160.13	157.63
	Annual (1)	120.77	124.67 *	...	...	159.32	155.36	152.67

* Starting in January, 1994, data shown are for 2.3 kg and over.

(1) Annual Average.

Source: "Poultry Market Review", Agriculture and Agri-Food Canada

Table 83 Production, Disposition and Value of Eggs, Alberta, 1987-1996

	Production		Disposition						
	No. of Layers (1)	Dozens	Sold (Includes Exports)				Leakers & Rejects	Producer Use for	
			For	Value	For	Value		Consumption	Value
			Consumption	Value	Hatching	Value			
	1987	1988	1989	1990	1991	1992	1993	1994	1995
1987	1,996	40,985	34,930	28,240	4,799	13,391	704	552	502
1988	1,954	40,841	34,943	31,532	4,653	12,983	705	540	517
1989	1,906	38,961	32,993	31,774	4,503	12,563	667	528	544
1990	1,861	36,462	30,689	28,165	4,636	12,935	621	516	532
1991	1,881	37,662	31,781	29,091	4,734	13,207	643	504	519
1992	1,999	40,219	34,020	30,539	4,923	14,336	784	492	488
1993	2,000	40,715	34,416	31,811	5,049	14,847	794	456	476
1994	1,976	41,263	34,567	33,359	5,447	16,101	805	444	460
1995	1,989	41,782	34,964	35,725	5,546	16,392	816	456	491
1996 Jan	1,950	3,485	2,908	3,152	471	1,392	68	38	42
Feb	1,941	3,221	2,680	2,945	440	1,301	63	38	43
Mar	1,957	3,447	2,871	3,135	471	1,392	67	38	41
Apr	1,974	3,368	2,808	3,058	456	1,348	66	38	41
May	1,972	3,492	2,915	3,212	471	1,392	68	38	41
Jun	1,964	3,352	2,793	2,980	456	1,348	65	38	40
Jul	1,985	3,483	2,906	3,362	471	1,392	68	38	43
Aug	2,017	3,518	2,940	3,424	471	1,392	69	38	44
Sep	2,001	3,380	2,820	3,301	456	1,348	66	38	49
Oct	1,977	3,471	2,894	3,265	471	1,392	68	38	38
Nov	1,973	3,368	2,808	3,127	456	1,348	66	38	37
Dec	1,958	3,468	2,891	3,163	471	1,392	68	38	37
Annual	1,972	41,053	34,234	38,124	5,561	16,437	802	456	496

(1) Average.

Source: Statistics Canada Cat. No. 23-202 and Cat. No. 23-202-XPB, "Production of Poultry and Eggs"

Table 84 Chickens Eviscerated in Registered Stations, Alberta, 1987-1996

	Under 1 kg	1 to 2 kg	2 kg and Over	Total
	tonnes			
1987	2,266	37,001	2,769	42,036
1988	2,311	36,918	2,896	42,125
1989	2,044	36,998	2,244	41,286
1990	2,083	39,788	2,927	44,798
1991	1,699	40,703	2,415	44,817
1992	1,484	43,863	2,356	47,703
1993	1,279	48,886	2,431	52,596
1994	1,329	56,141	2,420	59,890
1995	784	59,938	2,126	62,848
1996	613	59,597	1,869	62,079

Source: "Poultry Market Review", Agriculture and Agri-Food Canada

Table 85 Average Egg Prices to Alberta Producers by Grade, 1987-1996

		Canada 'A' Extra Large	Canada 'A' Large	Canada 'A' Medium	Canada 'A' Small	Canada 'B'	Canada 'C'
		cents/dozen					
1987		97.60	97.60	87.60	47.60	60.00	30.00
1988		105.10	105.10	94.10	55.10	60.40	30.00
1989		116.40	116.40	105.40	66.40	60.00	30.00
1990		115.50	115.50	104.50	65.50	60.00	30.00
1991		114.50	114.50	103.00	64.50	60.00	30.00
1992		114.00	114.00	97.80	64.00	60.00	30.00
1993		116.08	116.08	101.08	66.08	60.00	30.00
1994		117.50	117.50	104.50	67.50	60.00	30.00
1995	Jan	118.00	118.00	107.00	68.00	60.00	30.00
	Feb	118.75	118.75	108.00	69.00	60.00	30.00
	Mar	124.00	124.00	113.00	74.00	60.00	30.00
	Apr	127.00	127.00	116.00	77.00	60.00	30.00
	May	125.00	125.00	114.00	75.00	60.00	30.00
	Jun	126.00	126.00	115.00	76.00	60.00	30.00
	Jul	127.00	127.00	116.00	77.00	60.00	30.00
	Aug	131.00	131.00	120.00	81.00	60.00	30.00
	Sep	132.00	132.00	121.00	82.00	60.00	30.00
	Oct	134.00	134.00	123.00	84.00	60.00	30.00
	Nov	134.00	134.00	123.00	84.00	60.00	30.00
	Dec	135.00	135.00	124.00	85.00	60.00	30.00
	Annual (1)	128.00	128.00	117.00	78.00	60.00	30.00
1996	Jan	135.00	135.00	124.00	85.00	60.00	30.00
	Feb	136.60	136.60	125.60	86.60	60.00	30.00
	Mar	137.50	137.50	126.50	87.50	60.00	30.00
	Apr	139.00	139.00	128.00	89.00	60.00	30.00
	May	139.40	139.40	128.40	89.40	60.00	30.00
	Jun	141.00	141.00	130.00	91.00	60.00	30.00
	Jul	144.00	144.00	133.00	94.00	60.00	30.00
	Aug	146.00	146.00	135.00	96.00	60.00	30.00
	Sep	146.00	146.00	135.00	96.00	60.00	30.00
	Oct	144.00	144.00	133.00	94.00	60.00	30.00
	Nov	141.40	141.40	130.40	91.00	60.00	30.00
	Dec	139.00	139.00	128.00	89.00	60.00	30.00
	Annual (1)	140.75	140.75	129.75	90.75	60.00	30.00

(1) Annual Average.

Source: "Poultry Market Review", Agriculture and Agri-Food Canada

Table 86 Alberta's Game Farming Industry, 1991-1997

	No. of Licenced Game Farms	No. of Farms With Elk	No. of Elk on Farms	No. of Farms With Deer	No. of Whitetail Deer on Farms
1991	136	-	4,054	-	362
1992	154	121	4,377	58	629
1993	170	136	5,918	61	973
1994	196	152	7,261	72	1,451
1995	249	185	9,310	81	2,036 (estimate)
1996	310	227	11,939	91	3,000 (estimate)
1997	398	273	15,500 (estimate)	112	4,300 (estimate)

Source: Animal Industry Division, Alberta Agriculture, Food and Rural Development

Table 87 Production and Value of Aquaculture (1), Canada and Provinces, 1991-1996

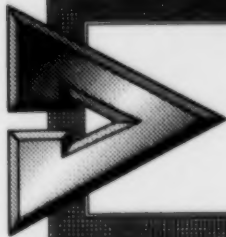
	Canada	(2) Alberta	Sask.	British Columbia	Ontario	Quebec	(3) Other Provinces
Total Production (tonnes)							
1991	44,567	34	110	24,099	2,380	1,590	16,354
1992	46,886	96	160	24,644	2,820	1,512	17,654
1993	50,374	127	160	27,175	3,020	1,458	18,434
1994	54,486	45	260	26,630	3,200	1,533	22,818
1995	66,296	109	322	33,560	3,300	999	28,006
1996	71,867	110	775	34,206	4,000	1,100	31,676
Total Value (\$000)							
1991	257,087	187	240	139,000	10,900	9,746	97,014
1992	259,957	420	540	136,384	14,100	7,388	101,125
1993	289,271	560	540	155,326	15,280	7,299	110,266
1994	296,853	275	1,160	155,667	16,192	9,083	114,476
1995	342,075	660	1,420	180,324	13,250	3,745	142,676
1996	349,910	660	3,420	170,744	16,060	4,100	154,926

(1) Figures for aquaculture (finfish and shellfish) include the amount and value produced on sites and exclude hatcheries or value added products. Data are collected by each of the provincial departments responsible for aquaculture.

(2) The majority of fish produced on farm operations in Alberta are rainbow trout, but other species include brook trout, brown trout, arctic char, tilapia, koi and goldfish (as feeder fish for pet stores). On April 1, 1997, the department of Alberta Agriculture, Food and Rural Development assumed full responsibility for fish farm licencing in the province. Licencing procedures are governed by the regulations and Fisheries Act under Alberta Environmental Protection. Regulations govern the species that can be raised and the operating conditions attached to the licence.

(3) Includes Manitoba, Newfoundland, Prince Edward Island, Nova Scotia and New Brunswick.

Source: Statistics Canada Cat. No. 23-603-UPE, "Livestock Statistics"



DAIRY INDUSTRY

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Fig. 31 Distribution of Farm Cash Receipts for Dairy Products by Province, 1997

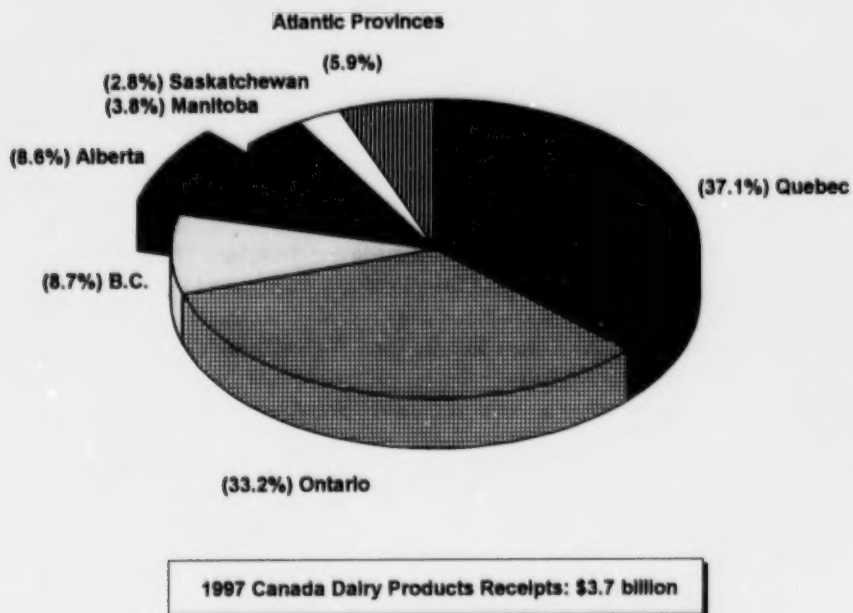


Table 88 Alberta Dairy Statistics, 1992-93 to 1996-97

	1992-93	1993-94	1994-95r	1995-96r	1996-97
Dairy Year From August 1 to July 31					
Number of Milk Producers	1,268	1,217	1,162	1,105	1,058
Number of Cream Producers	208	141	65	60	51
Milk Production (litres)	550,051,111	555,271,219	571,731,422	586,573,726	601,398,590
Cream Production (kg)	154,880	83,986	53,874	40,218	33,569
Average Daily Shipment per Milk Producer (litres)	1,138	1,250	1,348	1,454	1,557
Calendar Year From January 1 to December 31					
Total International Exports of Dairy Products (\$'000)	9,026	8,049	2,923	18,160	22,100
Mexico (1)	9,024	6,994	2,628	18,154	17,252
Other Countries	2	1,055	295	6	4,848 (2)

(1) The only commodity exported to Mexico from 1992 to 1996 was milk powder.

(2) Figure refers to exports to Mozambique, Libya and the United Kingdom.

Source: Alberta Dairy Control Board and Statistics Canada, International Trade Division

Table 89 Volume of Milk and Cream Sold Off-Farm, Canada and Provinces, 1992-1996

	Canada (1)	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Fluid Milk (000 litres)								
1992	2,758,272	273,333	92,684	113,996	296,795	1,003,532	728,845	249,087
1993	2,710,234	260,260	91,847	113,474	323,935	988,373	705,338	227,007
1994	2,752,803	266,848	90,178	112,988	352,997	994,563	715,761	219,468
1995r	2,719,713	276,997	88,369	114,089	351,973	985,701	682,300	220,284
1996p	2,740,902	289,649	88,190	115,636	351,179	1,000,283	678,529	217,436
Industrial Milk (000 litres)								
1992	4,025,159	292,885	112,260	138,958	183,735	1,248,056	1,864,123	185,142
1993	3,992,810	279,736	103,538	139,505	189,610	1,217,632	1,875,476	187,313
1994	4,255,292	302,379	108,966	163,059	202,351	1,341,461	1,957,142	179,934
1995r	4,459,010	294,695	116,363	164,257	220,748	1,385,413	2,081,346	196,188
1996p	4,417,649	303,917	108,536	157,399	215,373	1,382,179	2,051,229	199,016
Industrial Cream (000 litres) (2)								
1992	119,984	5,999	6,396	24,362	20	77,011	0	6,196
1993	78,030	3,013	3,613	13,892	2	53,054	0	4,456
1994	28,795	1,981	2,523	5,158	0	15,943	0	3,190
1995r	19,688	1,237	2,045	2,493	0	11,604	0	2,309
1996p	14,539	1,024	1,216	1,352	0	9,227	0	1,720
Total Sales (000 litres)								
1992	6,903,415	572,217	211,340	277,316	480,550	2,328,599	2,592,968	440,425
1993	6,781,074	543,009	198,998	266,871	513,547	2,259,059	2,580,814	418,776
1994	7,036,890	571,208	201,667	281,205	555,348	2,351,967	2,672,903	402,592
1995r	7,198,411	572,929	206,777	280,839	572,721	2,382,718	2,763,646	418,781
1996p	7,173,090	594,590	197,942	274,387	566,552	2,391,689	2,729,758	418,172

Note: Data are based on the calendar year.

(1) Data for Newfoundland are included in Canada totals.

(2) Farm separated cream is expressed as milk equivalent (3.6 kg / butterfat).

Source: "Dairy Market Review", Agriculture and Agri-Food Canada

Table 90 Farm Cash Receipts From the Sale of Dairy Products (1), Canada and Provinces, 1992-1997

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
\$'000								
1992	3,089,477	248,537	91,509	114,820	259,613	1,077,161	1,098,988	198,849
1993	3,129,885	244,663	88,474	115,150	268,109	1,072,547	1,141,456	199,486
1994	3,355,341	257,843	90,654	127,144	282,266	1,155,183	1,236,064	206,187
1995r	3,464,087	265,643	96,035	128,720	292,287	1,169,532	1,295,689	216,181
1996p	3,515,678	290,753	96,364	132,386	305,846	1,185,680	1,286,466	218,183
1997p	3,715,263	318,194	102,495	141,282	322,708	1,233,680	1,376,521	220,383

Note: Data are based on the calendar year.

(1) Refers to cash receipts received by producers from the sale of dairy products excluding any subsidies.

Source: Statistics Canada Cat. No. 21-603, "Agriculture Economic Statistics"

Table 91 Volume of Alberta Milk and Cream Sold Off Farm, Fluid Milk and Cream Sales by Dairies and Production of Selected Dairy Products, 1992-1996

	1992	1993	1994	1995r	1996p	Average 1992-96
Milk and Cream Sold Off Farm ('000 litres)						
Total Farm Milk and Cream Sales	572,217	543,009	571,208	572,929	594,590	570,791
Fluid Milk	273,333	260,260	266,848	276,997	289,649	273,417
Total Industrial Milk and Cream	298,884	282,749	304,360	295,932	304,941	297,373
Industrial Milk	292,885	279,736	302,379	294,695	303,917	294,722
Industrial Cream	5,999	3,013	1,981	1,237	1,024	2,651
Sales of Fluid Milk by Dairies ('000 litres)						
Total Fluid Milk Sales by Dairies	266,969	254,718	262,370	273,990	279,858	267,581
Chocolate Milk	14,278	14,731	17,788	19,711	18,673	17,036
Buttermilk	1,645	1,537	1,553	2,107	3,092	1,987
Skim Milk	27,322	26,294	28,176	31,197	34,082	29,414
1% Milk	47,616	48,801	54,009	59,363	62,587	54,475
2% Milk	132,466	124,413	123,601	124,043	120,519	125,008
3.25% Milk	43,642	38,942	37,243	37,569	40,905	39,660
Sales of Cream by Dairies ('000 litres)						
Total Cream Sales by Dairies	14,839	14,876	15,335	16,681	17,524	15,851
Cereal Cream	7,693	7,717	7,551	8,383	9,994	8,268
Whipping Cream	2,974	2,982	3,249	3,478	3,662	3,269
Sour Cream	4,172	4,177	4,535	4,820	3,868	4,314
Production of Selected Dairy Products						
Butter ('000 kg)	8,390	7,430	9,675	9,850	-	-
Cheddar Cheese ('000 kg)	5,933	5,944	4,720	-	-	-
Specialty Cheese ('000 kg)	5,318	5,482	4,008	3,541	4,502	4,570
Hard Ice Cream ('000 litres)	24,679	29,207	34,402	-	-	-
Soft Ice Cream ('000 litres)	2,231	2,757	3,265	-	-	-
Ice Cream Mix ('000 litres)	13,781	16,384	19,309	12,023	11,810	14,661

Note: Data are based on the calendar year.

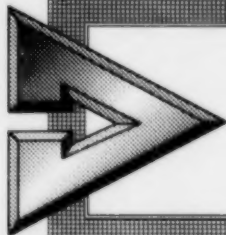
Source: "Dairy Market Review", Agriculture and Agri-Food Canada

Table 92 Dairy Products Manufacturing Industries, Canada and Alberta, 1992-1997

	1992	1993	1994	1995r	1996p	1997p
Value of Manufacturing Shipments (\$'000)						
Canada	7,461,900	7,319,000	7,412,945	7,795,466	7,725,183	7,821,989
Alberta	454,943	465,205	462,778	602,491	648,189	613,056
Alberta as a Per Cent of Canada	6.1	6.4	6.2	7.7	8.4	7.8
Value Added (\$'000)						
Canada	2,222,100	2,091,000	2,176,114	1,974,438	-	-
Alberta	65,809	44,559	149,541	188,678	-	-
Alberta as a Per Cent of Canada	3.0	2.1	6.9	9.6	-	-

Note: Data are based on the calendar year.

Source: Statistics Canada Cat. No. 31-203, "Manufacturing Industries of Canada, National and Provincial Areas"



FOOD AND BEVERAGES

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Survey of Manufactures

Statistics Canada conducts the Survey of Manufactures on an annual basis. The most recent survey provided actual 1995 data for both value of manufacturing shipments and value added. Preliminary 1996 and 1997 data are only available for value of shipments. Value added data for 1996 will be available mid-1998. Users should also note that data for individual industries are not always available due to confidentiality.

Value of Manufacturing Shipments (of Goods of Own Manufacture)

Refers to the net selling value of goods made by a reporting establishment (or for its own account) from its own materials. Shipments exclude discounts, returns, allowances, sales tax, excise taxes and duties, returnable containers, common or contract carriers' charges for outward transportation (but not own carriers' delivery expense). Shipments include transfer to other establishments of the same company; the value of non-returnable containers; the book value of goods produced and shipped for the first time on a rental basis; and consignment shipments to other countries (but domestic consignment shipments are included in inventory until sold).

Value Added

Value added is a measure of net output, that is, of gross output less those purchased inputs (cost of materials and supplies; cost of fuel and electricity) which have been embodied in the value of the products.

Value added, manufacturing activity, is equivalent to the value of shipments of goods of own manufacture plus net change in inventory of goods in process and finished goods, less cost of materials and supplies used, fuel and electricity.

Table 93 Average Household Expenditures on Food and Other Items, Canada, Alberta and Other Provinces (1), 1996

	CANADA		ALBERTA	
		% Share of Hshld. Budget		% Share of Hshld. Budget
Average Expenditure Per Household (Dollars) in 1996				
Personal Taxes	10,746	21.9	10,520	19.9
Shelter	8,477	17.3	8,193	15.5
Transportation	6,044	12.3	6,603	12.5
Food	5,960	12.1	6,123	11.6
Recreation	2,638	5.4	3,396	6.4
Personal Insurance Payments/Pension (2)	2,598	5.3	2,845	5.4
Household Operation	2,266	4.6	2,529	4.8
Clothing	2,115	4.3	2,464	4.7
Gifts/Money/Contributions to Persons (3)	1,700	3.5	2,054	3.9
Miscellaneous	1,434	2.9	1,889	3.6
Household Furnishings and Equipment	1,294	2.6	1,603	3.0
Tobacco Products and Alcoholic Beverages	1,146	2.3	1,305	2.5
Health Care	1,006	2.1	1,461	2.8
Personal Care	835	1.7	918	1.7
Education	555	1.1	617	1.2
Reading Materials/Other Printed (4)	252	0.5	271	0.5
Total Average Household Expenditure	49,068	100.0	52,792	100.0

Average Expenditure Per Household (Dollars) by Province - Four Major Categories

	Food	Shelter	Transportation	Personal Taxes	Total Expenditure
Newfoundland	5,887	5,812	5,673	7,676	42,068
Prince Edward Island	5,455	7,140	6,034	7,582	43,262
Nova Scotia	5,357	6,928	5,581	8,088	42,398
New Brunswick	5,534	6,148	5,624	7,505	41,461
Quebec	5,762	7,169	4,882	9,894	42,849
Ontario	6,155	9,907	6,741	12,506	54,184
Manitoba	5,635	7,219	5,778	9,050	45,163
Saskatchewan	5,115	6,195	5,849	8,033	42,334
Alberta	6,123	8,193	6,603	10,520	52,792
British Columbia	6,254	9,384	6,372	10,558	51,440
CANADA	5,960	8,477	6,044	10,746	49,068

(1) The Family Expenditure Survey provides information on the consumer buying patterns of Canadian households during 1996. The survey was conducted between January and March, 1997 in all provinces as well as in Whitehorse and Yellowknife. All expenditures are based on current dollars.

(2) Refers to Personal Insurance Payments and Pension Contributions.

(3) Refers to Gifts, Money and Contributions to Persons Outside the Household.

(4) Refers to Reading Materials and Other Printed Matter.

Source: Statistics Canada Cat. No. 62-555-XPB, "Family Expenditure in Canada, 1996"

Table 94 Manufacturing Activity in Food and Beverage Industries, Canada and Provinces, 1984-1997

	Canada	Alberta	Sask. (1)	Manitoba	British Columbia	Ontario	Quebec	(2) Atlantic Provinces
Value of Manufacturing Shipments (\$ Millions)								
1984	36,175.2	3,909.3	877.9	1,647.6	2,737.8	14,415.3	9,656.6	2,930.7
1985	37,623.7	3,872.3	888.8	1,858.9	3,011.9	15,142.8	9,755.4	3,093.7
1986	39,188.7	3,768.4	871.3	1,862.0	3,224.8	15,796.2	10,166.4	3,499.5
1987	41,365.9	4,268.7	1,087.6	1,858.4	3,369.2	16,636.7	10,313.4	3,831.8
1988	42,981.5	4,508.9	1,103.7	1,814.7	3,400.0	17,526.8	10,720.4	3,907.0
1989	43,795.3	4,636.3	1,195.6	1,725.8	3,471.9	18,068.2	10,863.7	3,833.8
1990	44,203.1	4,888.8	1,161.3	1,641.3	3,660.1	17,867.1	11,172.5	3,812.0
1991	44,014.5	4,782.7	1,113.3	1,568.5	3,650.2	17,804.1	11,143.7	3,952.1
1992	45,241.6	4,738.8	1,059.9	1,592.0	4,043.5	18,755.6	11,013.6	4,038.2
1993	46,855.9	5,286.9	1,014.2	1,659.1	4,044.1	19,700.2	11,077.8	4,073.5
1994	49,522.7	5,758.8	1,099.0	1,743.4	4,138.1	21,146.1	11,372.2	4,265.1
1995r	51,765.1	6,334.6	1,163.0	1,935.9	4,293.9	21,867.2	11,710.1	4,460.4
1996p	55,225.9	6,841.8	1,354.5	2,151.8	4,716.7	22,932.4	12,491.9	4,736.8
1997p	57,426.5	7,249.3	1,700.5	2,422.5	4,635.1	23,708.4	12,726.8	4,983.9
Value Added (\$ Millions) Note: Data for 1996 and 1997 are not yet available.								
1984	11,743.5	819.1	203.9	433.7	973.2	5,249.9	2,961.6	871.2
1985	12,473.5	778.1	200.0	487.9	1,054.7	5,652.7	3,103.3	957.3
1986	13,376.2	795.8	209.1	553.6	1,096.6	6,007.0	3,302.7	1,158.0
1987	14,639.0	931.9	371.0	628.0	1,162.9	6,279.0	3,736.0	1,531.1
1988	15,308.7	1,029.8	297.3	582.6	1,225.7	6,797.4	3,935.7	1,440.2
1989	15,440.6	956.0	309.8	530.4	1,212.5	6,996.5	4,018.6	1,416.9
1990	16,457.3	1,067.9	305.6	572.8	1,301.4	7,191.6	4,601.1	1,417.0
1991	17,217.8	1,229.1	299.0	534.7	1,358.0	7,558.0	4,687.7	1,551.3
1992	17,971.0	1,256.2	308.2	557.9	1,527.3	8,137.3	4,603.8	1,580.2
1993	17,795.7	1,278.3	296.2	565.3	1,466.2	8,281.7	4,390.7	1,517.4
1994	18,772.6	1,488.5	318.8	584.3	1,506.0	8,791.0	4,562.4	1,521.7
1995	18,614.5	1,685.3	330.6	549.6	1,492.7	8,817.8	4,181.4	1,557.1

(1) Figures shown from 1984 to 1986 include food industries only.

(2) Figures shown from 1984 to 1997 may not include beverage component for all Atlantic provinces due to confidentiality.

Source: Statistics Canada Cat. No. 31-203, "Manufacturing Industries of Canada, National and Provincial Areas"

Fig. 32 Alberta Food and Beverage Value of Shipments, Annual Per Cent Change, 1985-1997

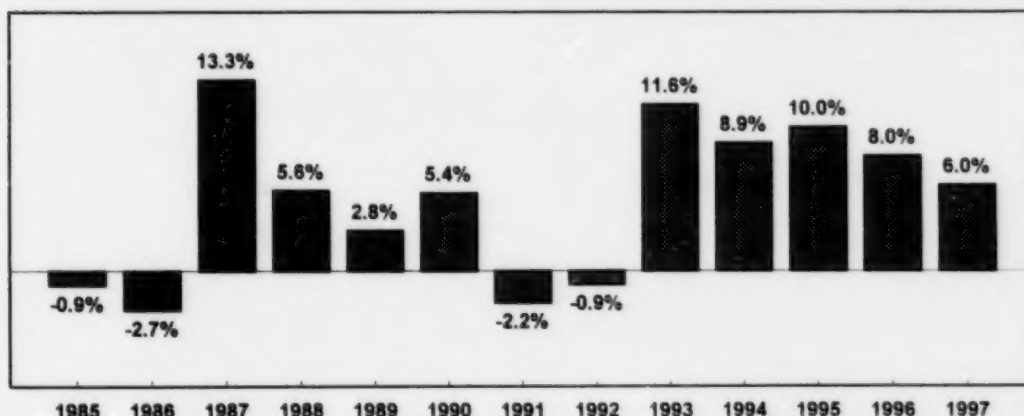


Fig. 33 Top Five Alberta Manufacturing Industries in 1997 (p) (\$ Billions)

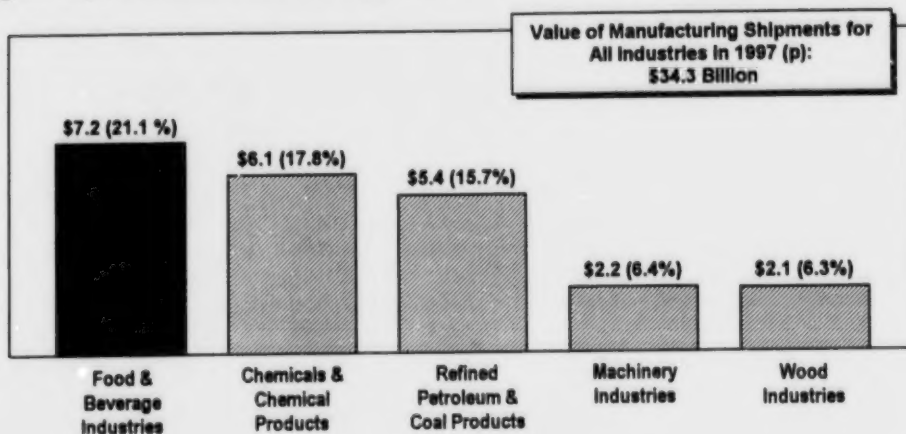


Fig. 34 Alberta Value of Manufacturing Shipments for Food and Beverage Industries, 1971-1997



Fig. 35 1995 Alberta Food and Beverage Industries - Per Cent of All Manufacturing Industries

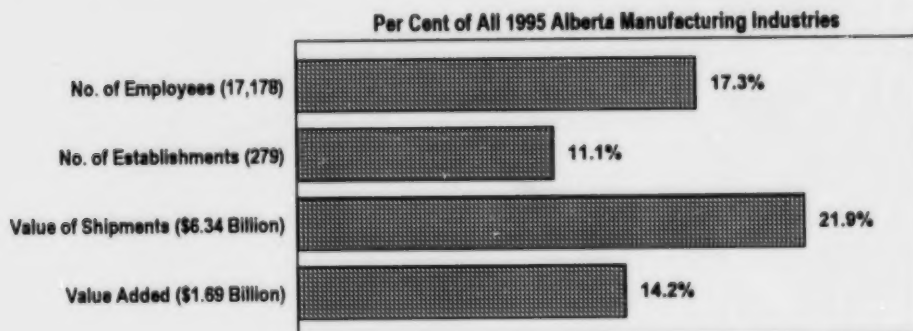


Table 95 Alberta Food and Beverage Industries, Selected Statistics, 1991-1997

	1991	1992	1993	1994	1995	1996p	1997p
Number of Establishments (1)							
All Manufacturing Industries	2,635	2,512	2,439	2,385	2,509	-	-
Food and Beverage Industries	295	283	271	271	279	-	-
Per Cent Share	11.2	11.3	11.1	11.4	11.1	-	-
Employment in Establishments, Total Activity (1)							
All Manufacturing Industries	91,286	88,330	91,266	94,436	99,225	-	-
Food and Beverage Industries	15,777	17,061	17,343	17,163	17,178	-	-
Per Cent Share	17.3	19.3	19.0	18.2	17.3	-	-
Salaries and Wages, Total Activity (\$ Millions) (1)							
All Manufacturing Industries	3,034.6	3,060.3	3,251.8	3,430.8	3,702.1	-	-
Food and Beverage Industries	458.9	521.2	535.1	523.2	548.9	-	-
Per Cent Share	15.1	17.0	16.5	15.3	14.8	-	-
Value of Shipments and Other Revenue, Total Activity (\$ Millions) (1)							
All Manufacturing Industries	20,708.3	20,393.0	22,183.1	26,725.2	31,257.9	-	-
Food and Beverage Industries	5,293.2	5,197.1	5,723.5	6,316.4	6,953.0	-	-
Per Cent Share	25.6	25.5	25.8	23.6	22.2	-	-
Value of Shipments, Manufacturing Activity (\$ Millions) (1)							
All Manufacturing Industries	19,477.1	19,241.6	20,951.2	25,260.1	28,886.1	30,771.9	34,336.7
Food and Beverage Industries	4,782.6	4,738.8	5,286.9	5,758.8	6,334.6	6,841.8	7,249.3
Per Cent Share	24.6	24.6	25.2	22.8	21.9	22.2	21.1
Value Added, Manufacturing Activity (\$ Millions) (1)							
All Manufacturing Industries	6,815.8	6,898.3	7,486.6	9,739.7	11,874.0	-	-
Food and Beverage Industries	1,229.1	1,256.2	1,278.3	1,488.5	1,685.3	-	-
Per Cent Share	18.0	18.2	17.1	15.3	14.2	-	-
Employed Labour Force (2)							
All Manufacturing Industries	97,900	97,900	101,000	103,900	109,500	120,600	134,800
Food and Beverage Industries	16,900	15,800	18,700	15,700	17,400	20,200	19,300
Per Cent Share	17.3	16.1	18.5	15.1	15.9	16.7	14.3
Gross Domestic Product at Factor Cost in Constant (1986) Dollars (\$ Millions) (3)							
All Manufacturing Industries	5,262	5,250	5,865	6,613	6,879	7,350	-
Food and Beverage Industries	731	677	787	894	906	958	-
Per Cent Share	13.9	12.9	13.4	13.5	13.2	13.0	-
Annual Per Cent Change	6.6	-7.3	16.2	13.6	1.4	7.1	-
Capital Investment (\$ Millions) (4)							
All Manufacturing Industries	1,251.8	1,639.9	1,671.0	1,108.1	1,374.1	1,242.7	1,518.7
Food and Beverage Industries	89.8	127.0	100.8	131.3	144.1	196.3	168.6
Per Cent Share	7.2	7.7	6.0	11.8	10.5	15.8	11.1

- Data Not Yet Available

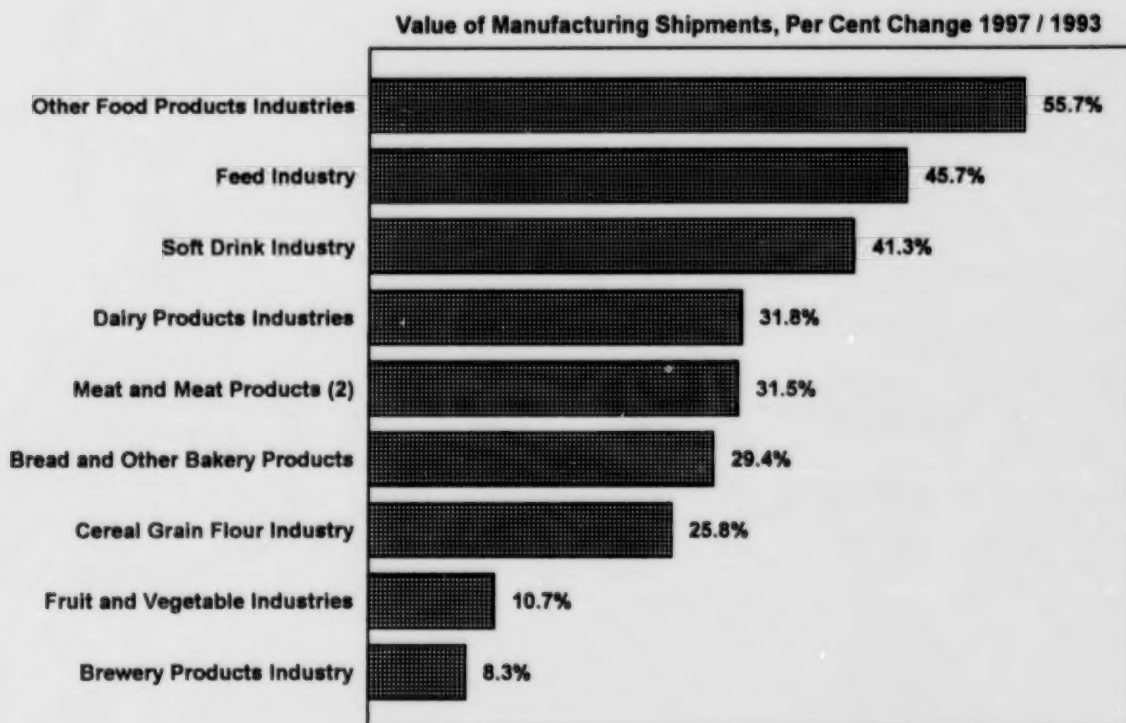
(1) Source: Statistics Canada Cat. No. 31-203, "Manufacturing Industries of Canada, National and Provincial Areas"

(2) Source: Statistics Canada Cat. No. 71-001, "The Labour Force". Employed labour force refers to all persons aged 15 years or over who did any work during the reference period.

(3) Source: Alberta Treasury

(4) Source: Statistics Canada Cat. No. 61-205, "Private and Public Investment in Canada". Capital investment refers to the cost of procuring, constructing and installing new durable plant and machinery and equipment, whether for replacement of worn or obsolete assets, as additions to existing assets or for lease or rent to others. 1997 - Preliminary Actual Estimates.

Fig. 36 Five-Year Performance of Selected Alberta Food and Beverage Manufacturing Industries (1), 1997 (p) Compared to 1993



(1) Industries are shown for which data are available and not suppressed due to confidentiality.

(2) Excludes poultry.

Preliminary estimates indicate that during the five-year period from 1993 to 1997, food and beverage processing activity grew the fastest in the prairie provinces. Shipments increased:

↑ 68 per cent in Saskatchewan
 46 per cent in Manitoba
 37 per cent in Alberta
 22 per cent in Atlantic Provinces
 20 per cent in Ontario
 15 per cent in Quebec
 15 per cent in B.C.

Total shipments for Canada were up 23 per cent.

Table 96 Value of Shipments and Value Added for Alberta Food and Beverage Industries (Manufacturing Activity), 1992-1997

	1992	1993	1994	1995	1996p	1997p
Value of Shipments (\$'000)						
Food Industries	4,296,604	4,783,924	5,248,776	5,796,510	6,257,597	6,598,961
Meat and Meat Products (Excluding Poultry)	2,311,522	2,673,472	2,830,564	2,962,478	3,119,888	3,515,239
Poultry Products Industry	x	x	x	x	x	x
Fruit and Vegetable Industries	113,049	136,354	151,494	142,915	145,618	151,006
Dairy Products Industries	454,900	465,205	462,778	602,491	648,189	613,056
Fluid Milk Industry	278,001	295,956	279,446	231,930	x	x
Other Dairy Products Industry	176,942	169,249	183,332	370,561	x	x
Cereal Grain Flour Industry	85,602	97,509	119,456	127,363	136,634	122,683
Prepared Flour Mixes and Cereal Foods	x	x	x	x	x	x
Feed Industry	317,177	320,218	365,353	422,685	511,353	466,698
Vegetable Oil Mills (Excluding Corn Oil)	273,711	x	x	x	x	x
Biscuit Industry	x	x	x	x	x	x
Bread and Other Bakery Products	133,601	126,281	135,674	137,363	151,181	163,386
Sugar and Sugar Confectionery Industry	x	x	x	x	x	x
Other Food Products Industries	364,000	369,128	433,985	474,846	547,818	574,685
Dry Pasta Products Industry	x	x	x	x	x	x
Potato Chip, Pretzel and Popcorn	x	x	163,407	163,778	188,847	205,176
Malt and Malt Flour	x	x	x	x	x	x
Other Food Products n.e.c. (Including Malt)	202,347	205,785	...	...	x	x
Other Food Products n.e.c. (Excluding Malt)	...	...	150,773	175,322	x	x
Beverage Industries	442,238	502,955	510,024	538,110	584,186	650,306
Soft Drink Industry	184,886	240,270	250,614	266,564	292,275	339,502
Distillery Products Industry	x	x	x	x	x	x
Brewery Products Industry	174,634	183,500	x	175,902	194,104	198,753
Wine Industry	x	x	x	x	x	x
Total Food and Beverage Industries	4,738,842	5,286,879	5,758,800	6,334,620	6,841,783	7,249,267
Annual Per Cent Change	-0.9	11.6	8.9	10.0	8.0	6.0
Value Added (\$'000)						
Food Industries	1,002,904	1,003,000	1,211,305	1,454,904	-	-
Meat and Meat Products (Excluding Poultry)	419,311	389,094	346,230	506,864	-	-
Poultry Products Industry	x	x	x	x	-	-
Fruit and Vegetable Industries	36,516	60,145	64,306	56,717	-	-
Dairy Products Industries	65,809	44,559	149,541	188,678	-	-
Fluid Milk Industry	81,058	87,543	87,496	87,870	-	-
Other Dairy Products Industry	(15,249)	(42,984)	62,045	100,808	-	-
Cereal Grain Flour Industry	16,143	13,841	27,493	25,277	-	-
Prepared Flour Mixes and Cereal Foods	x	x	x	x	-	-
Feed Industry	59,654	68,149	79,109	103,704	-	-
Vegetable Oil Mills (Excluding Corn Oil)	50,968	x	x	x	-	-
Biscuit Industry	x	x	x	x	-	-
Bread and Other Bakery Products	89,144	82,064	92,621	87,882	-	-
Sugar and Sugar Confectionery Industry	x	x	x	x	-	-
Other Food Products Industries	172,800	168,750	218,606	229,732	-	-
Dry Pasta Products Industry	x	x	x	x	-	-
Potato Chip, Pretzel and Popcorn	x	x	114,019	109,071	-	-
Malt and Malt Flour	x	x	x	x	-	-
Other Food Products n.e.c. (Including Malt)	56,684	60,941	...	...	-	-
Other Food Products n.e.c. (Excluding Malt)	...	...	49,027	54,563	-	-
Beverage Industries	253,312	275,269	277,163	230,438	-	-
Soft Drink Industry	76,372	103,048	85,131	77,949	-	-
Distillery Products Industry	x	x	x	x	-	-
Brewery Products Industry	116,660	115,880	x	107,521	-	-
Wine Industry	x	x	x	x	-	-
Total Food and Beverage Industries	1,256,216	1,278,269	1,488,468	1,685,342	-	-
Annual Per Cent Change	2.2	1.8	16.4	13.2	-	-

Source: Statistics Canada Cat. No. 31-203, "Manufacturing Industries of Canada, National and Provincial Areas"

Table 97 Alberta Food and Beverage Industries, Manufacturing Statistics, 1995 (1)

	No. of Establishments	Manufacturing Activity				No. of Employees (Total Active)
		Cost of Fuel & Electricity	Cost of Materials & Supplies Used	Value of Shipments	Value Added	
		\$'000				
Food Industries	258	68,127	4,287,224	5,796,510	1,454,904	15,411
Meat and Poultry Products Industries	72	x	x	x	x	6,211
Meat and Meat Products (Excluding Poultry)	65	17,208	2,439,772	2,962,478	506,864	6,211
Poultry Products	7	x	x	x	x	
Fish Products Industry	1	x	x	x	x	
Fruit and Vegetable Industries	11	2,632	84,642	142,915	56,717	6,211
Canned and Preserved	8	712	34,875	59,331	24,165	4,111
Frozen	3	1,920	49,767	83,584	32,552	1,111
Dairy Products Industries	21	9,958	404,597	602,491	188,678	14,411
Fluid Milk	6	2,519	142,119	231,930	87,870	5,111
Other Dairy Products	15	7,439	262,478	370,561	100,808	8,311
Flour, Cereal Food and Feed Industries	71	x	x	x	x	2,111
Cereal Grain Flour	5	1,741	100,126	127,363	25,277	2,111
Prepared Flour Mixes and Cereal Foods	3	x	x	x	x	
Feed Industry	63	10,439	309,788	422,685	103,704	1,211
Vegetable Oil Mills (Excluding Corn Oil)	4	x	x	x	x	
Bakery Products Industries	35	x	x	x	x	1,411
Biscuit	2	x	x	x	x	
Bread and Other Bakery Products	33	2,577	46,803	137,363	87,882	1,411
Sugar and Sugar Confectionery Industries	6	x	x	x	x	
Cane and Beet Sugar	1	x	x	x	x	
Sugar and Chocolate Confectionery	5	x	x	x	x	
Other Food Products Industries	37	11,081	241,045	474,846	229,732	1,911
Tea and Coffee	1	x	x	x	x	
Dry Pasta Products	5	x	x	x	x	
Potato Chip, Pretzel and Popcorn	5	3,534	51,137	163,778	109,071	8,111
Malt and Malt Flour	2	x	x	x	x	
Other Food Products n.e.c.	24	2,160	119,149	175,322	54,563	7,111
Beverage Industries	21	9,627	278,206	538,110	230,438	1,811
Soft Drink Industry	12	3,448	184,374	266,564	77,949	9,111
Distillery Products Industry	3	x	x	x	x	
Brewery Products Industry	5	3,077	65,454	175,902	107,521	6,111
Wine Industry	1	x	x	x	x	
Total Food and Beverage Industries						
Alberta	279	77,454	4,565,430	6,334,620	1,685,342	17,111
Canada	3,190	784,883	32,414,229	51,765,146	18,614,461	213,111
Alberta as Per Cent of Canada	8.7	9.9	14.1	12.2	9.1	
All Manufacturing Industries						
Alberta	2,509	669,885	16,371,071	28,886,134	11,874,012	99,211
Food and Beverage Industries as a Per Cent of all Manufacturing Industries	11.1	11.6	27.9	21.9	14.2	11.1

(1) Data for 1996 are not yet available.

Source: Statistics Canada Cat. No. 31-203, "Manufacturing Industries of Canada, National and Provincial Areas"

Table 98 Edmonton Monthly Retail Food Price Indices (1), 1996 and 1997

		Beef	Pork	Fresh Fruit	Fresh Vegetables
Jan 1988=100					
1996	Jan	109.19	103.73	111.06	104.16
	Feb	107.30	103.41	112.06	99.68
	Mar	100.26	101.70	111.56	107.04
	Apr	105.25	103.57	119.10	116.00
	May	104.30	107.79	123.12	110.88
	Jun	101.78	116.79	117.09	115.04
	Jul	102.26	118.09	135.68	119.52
	Aug	101.00	116.87	136.68	102.72
	Sep	103.57	122.30	137.19	91.36
	Oct	99.84	118.90	133.67	93.28
	Nov	100.73	120.36	123.62	105.60
	Dec	111.44	127.09	117.59	98.40
1997	Jan	107.77	124.49	118.59	108.16
	Feb	107.35	122.38	105.03	112.32
	Mar	110.18	124.41	104.52	116.00
	Apr	96.80	112.17	106.53	102.08
	May	98.64	118.25	116.08	97.28
	Jun	107.35	124.90	131.16	108.00
	Jul	106.30	126.76	132.16	127.04
	Aug	113.44	123.76	128.64	108.00
	Sep	111.65	121.65	135.68	106.56
	Oct	107.82	125.39	139.70	98.72
	Nov	108.87	122.14	116.58	97.76
	Dec	111.44	123.28	118.09	106.08

(1) Retail prices of over 70 food items are collected each week at representative stores of the major food chains in Edmonton. The prices are weighted to account for estimated market share held by each chain as well as the relative importance of each item in the total food-at-home budget.

Source: Statistics Unit, Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Fig. 37 Edmonton Monthly Retail Food Price Indices, 1995-1997

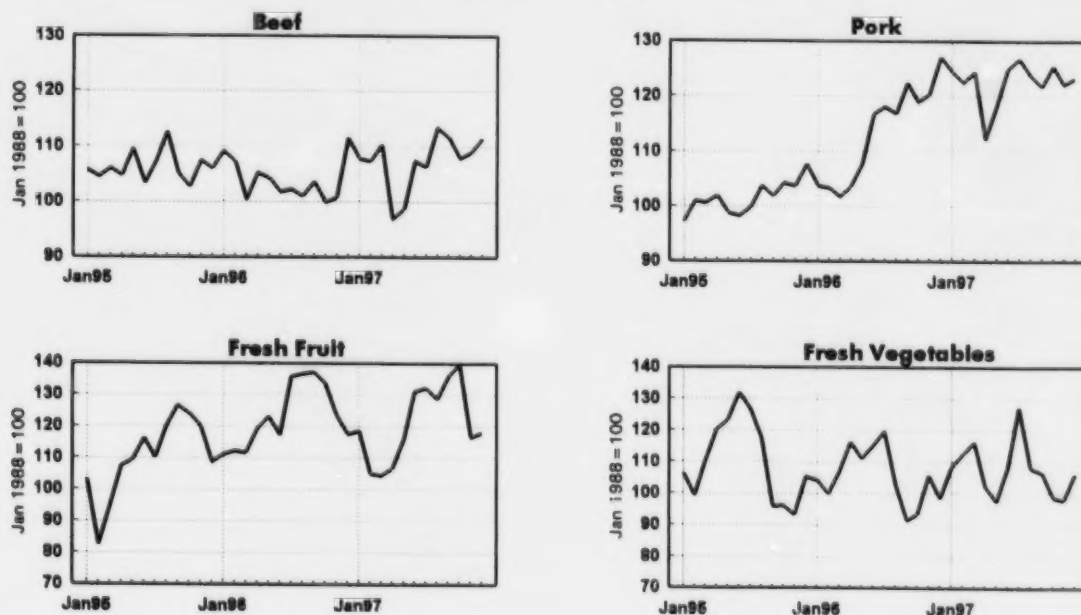


Table 99 Edmonton Nutritious Food Basket - Weekly Average Cost for a Family of Four (1), (Dollars), 1997

	Dairy Products	Eggs	Meat, Poultry & Fish	Meat Alternatives	Cereal & Bakery Products	Citrus Fruit & Tomatoes
Jan	23.93	2.03	21.78	3.80	22.50	6.79
Feb	23.85	2.06	21.21	3.57	22.39	6.79
Mar	23.71	2.07	21.82	3.52	23.06	7.31
Apr	23.65	2.06	19.78	3.42	22.05	6.12
May	23.53	2.14	19.97	3.40	22.62	6.71
Jun	23.39	2.27	21.89	3.56	23.42	7.31
Jul	24.15	2.12	21.09	3.40	22.18	6.93
Aug	23.50	2.22	20.55	3.40	23.17	6.64
Sep	24.27	2.19	21.55	3.69	22.89	6.94
Oct	23.93	2.02	21.74	3.30	22.26	7.19
Nov	23.83	2.13	21.50	3.26	22.97	7.03
Dec	24.13	2.14	22.12	3.83	23.07	7.34
Average	23.82	2.12	21.25	3.51	22.72	6.93

	Other Fruit	Potatoes	Other Vegetables	Fats & Oils	Sugars & Other Sweets	Total Weekly Cost (2)
Jan	10.59	4.36	15.59	3.74	1.36	116.46
Feb	9.70	4.36	15.95	3.75	1.40	115.06
Mar	9.41	3.99	14.65	3.69	1.45	114.68
Apr	9.31	3.96	15.67	3.70	1.25	110.99
May	9.39	3.58	16.30	3.84	1.32	112.81
Jun	10.47	4.38	16.27	3.86	1.45	118.26
Jul	10.40	6.46	15.65	3.83	1.34	117.55
Aug	10.48	5.16	15.61	4.03	1.36	116.14
Sep	10.67	4.97	15.09	3.82	1.42	117.51
Oct	10.97	4.11	13.40	3.64	1.39	113.95
Nov	9.45	3.94	13.04	3.74	1.31	112.21
Dec	10.19	3.96	14.47	3.91	1.45	116.60
Average	10.09	4.44	15.14	3.80	1.38	115.19

(1) The family is identified as a man and a woman (ages 25 to 49 years), a boy (age 13 to 15 years) and a girl (age 7 to 9 years).

(2) Add ten per cent to the total cost of the basket to cover condiments, baking supplies, tea, coffee, soft drinks, etc.; and iron supplement for pregnant women.

Source: Statistics Unit, Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Fig. 38 Edmonton Nutritious Food Basket - Weekly Average Cost in 1997

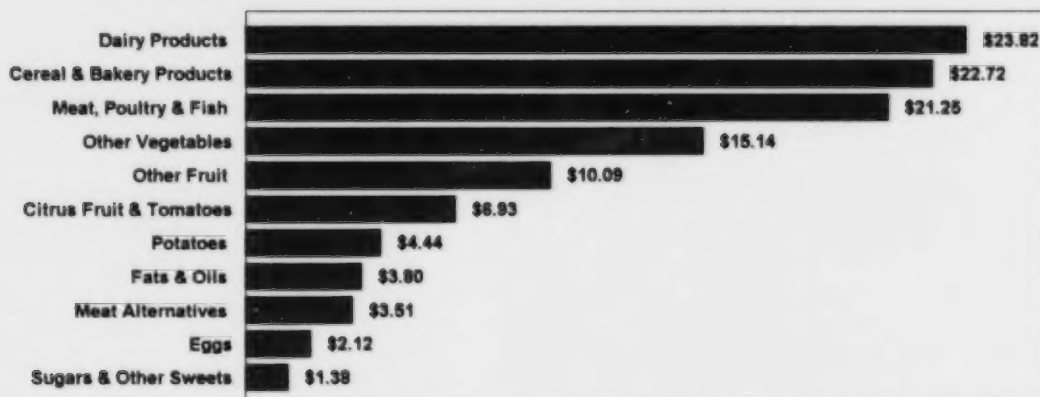


Table 100 Per Capita Consumption of Meats, Canada and United States, 1971-1996

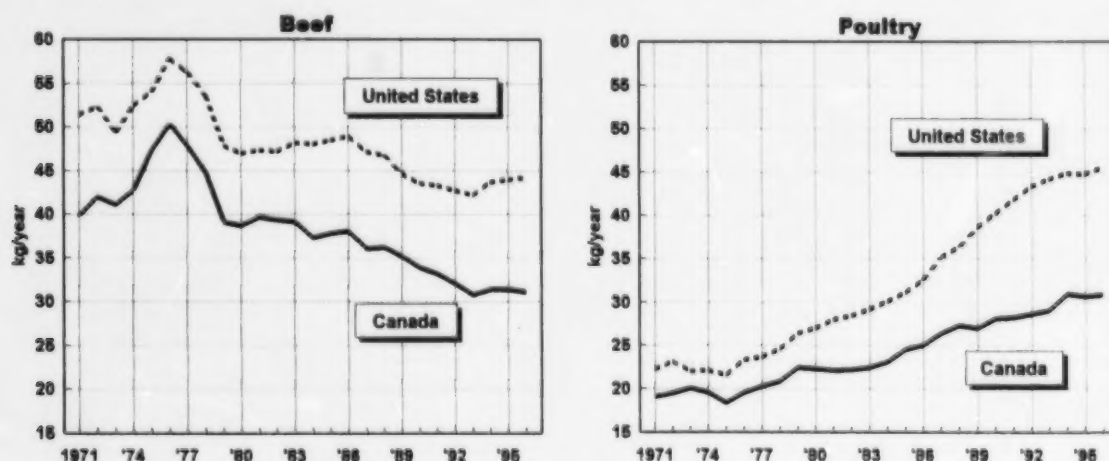
	Beef		Veal		Mutton/Lamb		Pork		Total Poultry (1)	
	Canada	U.S.	Canada	U.S.	Canada	U.S.	Canada	U.S.	Canada	U.S.
	kg/year									
1971	39.8	51.4	2.0	1.2	1.5	1.5	31.6	35.9	19.1	22.2
1972	42.0	52.3	1.6	1.0	2.0	1.5	30.4	32.3	19.5	23.1
1973	41.1	49.4	1.5	0.8	1.6	1.2	28.6	28.8	20.1	22.0
1974	42.7	52.5	1.5	1.1	1.1	1.0	29.9	31.1	19.6	22.1
1975	47.3	54.0	2.3	1.9	1.3	0.9	25.5	25.3	18.4	21.6
1976	50.3	57.8	2.3	1.8	1.0	0.8	25.1	26.8	19.6	23.3
1977	47.8	56.2	2.2	1.8	0.8	0.8	26.1	27.6	20.3	23.6
1978	44.8	53.5	1.8	1.3	0.9	0.7	26.8	27.6	20.9	24.6
1979	39.1	47.9	1.4	0.9	1.0	0.7	30.1	31.5	22.4	26.4
1980	38.7	46.9	1.4	0.8	0.8	0.7	32.1	33.5	22.3	26.9
1981	39.7	47.4	1.5	0.9	0.7	0.7	31.1	32.0	22.1	27.9
1982	39.4	47.2	1.6	0.9	0.7	0.8	28.4	28.7	22.2	28.4
1983	39.2	48.2	1.6	0.9	0.8	0.8	29.3	30.2	22.4	29.1
1984	37.3	48.1	1.7	1.0	0.8	0.8	28.4	30.0	23.1	30.0
1985	37.8	48.5	1.7	1.0	0.7	0.7	28.9	30.2	24.5	31.1
1986	38.1	49.0	1.6	1.0	0.9	0.7	27.8	28.5	25.0	32.5
1987	36.1	47.2	1.4	0.8	0.9	0.7	27.4	28.7	26.4	35.1
1988	36.2	46.8	1.3	0.7	0.8	0.7	27.9	30.6	27.3	36.3
1989	35.2	44.6	1.4	0.7	0.8	0.7	28.6	30.4	27.0	38.5
1990	33.9	43.6	1.5	0.6	0.8	0.7	26.0	29.1	28.1	40.2
1991r	33.2	43.3	1.5	0.5	0.9	0.7	26.5	29.4	28.2	41.7
1992r	32.1	42.7	1.5	0.5	0.8	0.7	28.2	30.8	28.6	43.3
1993r	30.8	42.2	1.3	0.5	0.9	0.7	27.4	30.6	29.0	44.1
1994r	31.4	43.7	1.3	0.5	0.8	0.6	28.2	31.0	30.9	44.8
1995r	31.4	44.0	1.4	0.5	0.8	0.6	27.6	30.7	30.6	44.7
1996	31.1	44.2	1.3	0.6	0.8	0.6	26.2	28.7	30.8	45.5

Note: Carcass weight figures for beef, veal, mutton/lamb and pork. Eviscerated (carcass) weight figures for total poultry.

(1) Total poultry includes stewing hens, chickens and turkeys.

Source: Statistics Canada Cat. No. 32-229, "Apparent Per Capita Food Consumption in Canada" and Cat. No. 23-603-XPE, "Livestock Statistics"; and United States Department of Agriculture, Economic Research Service

Fig. 39 Comparison of Beef and Poultry Consumption in Canada and United States, 1971-1996



Apiculture in Alberta

In 1996, the estimated total number of beekeepers in Alberta was 750, unchanged from the previous two years. This was unlike the national total which slipped to 11,094 from 11,174 in 1995.

Despite less than ideal over-wintering conditions in the province in 1995, the estimated number of honey producing colonies in 1996 remained unchanged from 1995 at 175,000. Maintenance of colony numbers was achieved largely through the use of "splits" and package bees by some producers, to enhance honey production, given record honey prices. Unlike Alberta, colony numbers at the national level were down. In total, 509,648 colonies were reported in 1996 compared to 520,982 in 1995. Interestingly, Alberta currently accounts for slightly over one-third of the honey producing colonies in Canada, despite having under seven per cent of the nation's beekeepers.

Honey production in the province was down in 1996. Estimated at 9,169 tonnes, production was 5.1 per cent lower than the 9,664 tonnes in 1995. This was almost 16 per cent lower than the previous five-year average of 10,902 tonnes. A downward trend was also noted nationally, with the total estimated production pegged at 26,977 tonnes, compared to 30,576 tonnes in 1995. The poor performance in production was primarily due to a relatively harsh and prolonged winter, coupled with a delayed, cold spring which affected the honey flow. In Alberta, the average yield per colony in 1996 was 53 kilograms, which apart from being identical to the national average, was two kilograms lower than the provincial average yield in 1995.

Undoubtedly, 1996 was an extremely good year price wise for honey producers in the province. For the first time, the estimated honey price was over the two dollar mark, at \$2.76 per kilogram. Moreover, the 1996 price, apart from representing an increase of 50 per cent over the previous year, was a new record high for the industry. Much of the strength in the honey price was attributable to a decline in world honey production.

Despite the less than average honey crop in 1996, returns to Alberta beekeepers for their honey and wax was at a record industry high. With the total returns estimated at \$26 million, this was about 42 per cent higher than the \$18.3 million estimated in 1995. This sizeable increase in returns was achieved largely through stronger honey and wax prices. For Canada, the estimated total value of honey and wax produced in 1996 was \$77.3 million, with Alberta accounting for roughly 34 per cent of the total. Total out-of-province shipments from Alberta in 1996 was estimated at \$21.2 million.

Table 101 Alberta Honey Statistics, 1984-1996

	No. of Beekeepers	No. of Colonies	Colonies Per Beekeeper	Honey				Value of Honey & Wax
				Yield per Colony	Production	Total Price	Value	
				kg	tonnes	\$/kg	\$'000	\$'000
1984	1,600	180,000	113	70	12,542	1.07	13,410.3	13,699.3
1985	1,700	181,000	106	46	8,392	1.24	10,415.5	10,664.9
1986	1,700	190,000	112	57	10,886	1.32	14,400.0	14,595.0
1987	1,480	193,000	130	60	11,567	0.92	10,710.0	11,047.0
1988	1,140	150,000	132	70	10,433	0.88	9,200.0	9,511.0
1989	855	143,500	168	54	7,811	1.08	8,438.0	8,646.0
1990	840	152,000	181	70	10,566	1.28	13,552.0	13,767.0
1991	830	147,000	177	65	9,540	1.27	12,150.0	12,472.0
1992	800	148,000	185	71	10,473	1.30	13,544.0	13,965.0
1993	761	148,000	194	73	10,771	1.51	16,275.0	16,755.0
1994	750	159,000	212	88	14,064	1.50	21,139.6	21,728.7
1995	750	175,000	233	55	9,664	1.84	17,747.0	18,280.0
1996	750	175,000	233	53	9,169	2.76	25,337.0	25,994.0

Source: Statistics Unit, Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development

Fig. 40 Value of Honey and Wax Produced in Alberta, 1984-1996

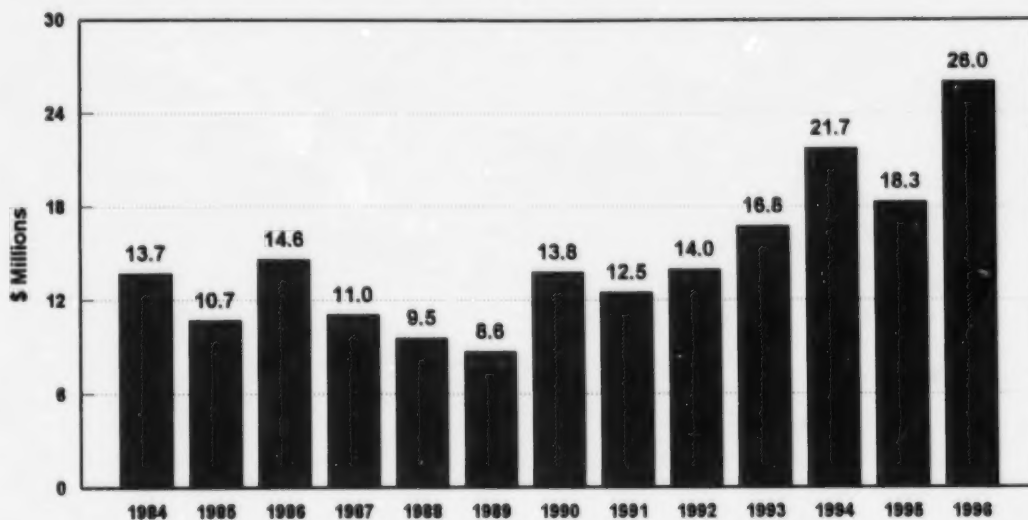
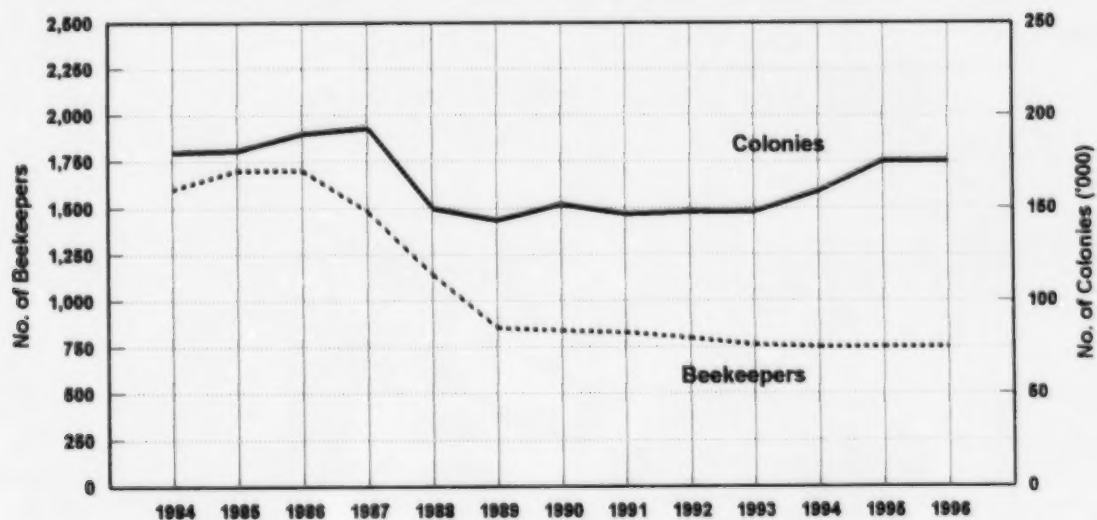
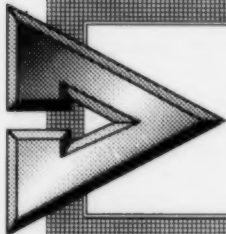


Fig. 41 Number of Beekeepers and Colonies in Alberta, 1984-1996







AGRI-FOOD EXPORTS

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A Note on Export Estimates

International exports statistics are compiled by Statistics Canada according to the "General" system of trade defined by the Statistical Office of the United Nations. Under this system, domestic exports encompass all goods grown, extracted or manufactured in Canada, including goods of foreign origin which have been materially transformed in Canada. Exports are, in principle, valued or recorded at the values declared on export documents, which usually reflect the transaction value or the actual selling price. Canadian exports to other countries are valued at "Free on Board" port of exit basis, including freight charges to that point but net of discounts and allowances.

Out-of-province shipment estimates are the sum of shipments to other Canadian provinces and international exports. Estimates are generally derived from provincial production data through a supply and disposition approach. This methodology involves the use of data from a variety of sources including government publications and private industry contacts. Note: At the time of printing of this publication, out-of-province shipments were only available for the 1996 data year.

Out-of-country (or international) export data are generally sourced from the International Trade Division of Statistics Canada. However, in a number of cases, revisions to Statistics Canada's export data are required to overcome inaccuracies resulting from the attribution of exports on a province of lading basis, rather than by province of origin. While this adjustment process does not generally result in a major difference, it nevertheless, results in more reliable provincial data at the commodity level. Revisions of export data are conducted by the Statistics Unit of the Production Economics and Statistics Branch, Alberta Agriculture, Food and Rural Development.

Alberta Agri-Food Exports

Out-of-Province Shipments in 1996

Note: Out-of-province shipments estimates are the sum of shipments to other Canadian provinces and international exports. At the time of printing of this publication, out-of-province shipments were only available for the 1996 data year.

In 1996, the estimated value of Alberta's out-of-province shipments of agri-food products rose 15 per cent over 1995 to a record \$7,447 million. This new record, the fifth in a row, was achieved mainly because of increased shipments of major cereal grains and beef.

A strong global demand for cereal grains (which caused prices to increase sharply in 1996) contributed substantially to the rise in the value of shipments. Wheat exports, at \$1,664 million, climbed 32 per cent from 1995. The quantity of wheat shipped rose 8.4 per cent to 5,940,492 tonnes. Barley shipments grew faster at 17.6 per cent to 3,100,914 tonnes and revenue rose 49.3 per cent to \$716 million. While the quantity of oat shipments declined 12.1 per cent to 561,470 tonnes, the value increased 19.2 per cent to \$114 million.

The 1996 export performance in certain areas of the livestock sector was not as great as in the crop sector. Revenue from shipments of live cattle dropped a moderate 1.3 per cent to \$787 million, while quantity was up 1.4 per cent to 755,412 head. In contrast, shipments of live hogs, at 574,712 head in 1996, declined 3.1 per cent from 1995. However, due to higher prices in 1996, the value of hog shipments increased 11.2 per cent to \$101 million. As well, pork shipment value rose 6.5 per cent to \$382 million but quantity declined 2.4 per cent to 114,976 tonnes. On the other hand, beef shipments continued to grow, rising 12.2 per cent to \$1,371 million and up 17.5 per cent in quantity to 490,377 tonnes.

At \$3,155 million, grains and oilseeds accounted for 42.4 per cent of total 1996 value of shipments, higher than 37.9 per cent recorded in 1995. Meat and other animal products (\$2,191 million) constituted almost 30 per cent of shipments and live animals (\$908 million) represented 12.2 per cent. Specialty crops (mainly field peas, field beans and forage seeds), potatoes, peat moss and crop products (such as canola oil and wheat flour) accounted for another 10.4 per cent. Beverages and animal feeds and feedstuffs constituted the remaining 5.6 per cent.

Interprovincial exports (exports to other Canadian provinces) accounted for 33.2 per cent or \$2,472 million of the total 1996 value of shipments out of Alberta. Beef was the most important commodity purchased by other provinces, accounting for 35 per cent (\$864 million) of the total value of interprovincial shipments.

International Exports in 1997

Alberta's international exports of raw commodities and processed agri-food products reached a record \$5.0 billion in 1997, up marginally from \$4.9 billion (revised estimate) in 1996. From a national perspective, Alberta accounted for one-quarter of Canadian total agri-food exports, valued at \$21 billion.

The upward trend in value adding exports continued in 1997. Exports of value added processed products rose 13.9 per cent to \$1.9 billion. At the same time, exports of raw farm products dropped 6.3 per cent to \$3.1 billion from \$3.3 billion (revised estimate) in 1996. This was the first decline reported during the last five years (1993 to 1997). Although exports of raw commodities remain higher than value added exports, the proportion of raw products continues to decline. In 1988, revenue from exports of raw farm products represented 75 per cent of Alberta's total agri-food exports, compared to 62 per

cent in 1997. During the same period, the proportion of value added products increased from 25 per cent to 38 per cent in 1997. These trends reflect the growing importance of value added processed products in Alberta's agri-food exports.

The 1997 top ten commodities, accounting for 78 per cent of the province's total agri-food exports, were:

- Wheat (\$1,379 million)
- Beef and Veal (\$691 million)
- Live Cattle (\$661 million)
- Canola Seed (\$444 million)
- Barley (\$226 million)
- Pork (\$177 million)
- Raw Hides and Skins (\$161 million)
- Oilseed Cake and Meal (\$92 million)
- Canola Oil (\$90 million)
- Malt of Barley (\$87 million)

Wheat remains Alberta's largest export commodity, accounting for 27 per cent of total agri-food export revenue in 1997 (down from 30 per cent in 1996). The quantity of exported wheat, at 6.0 million tonnes, rose 15 per cent over 1996. However, reflecting lower grain prices in 1997, export values of wheat declined by seven per cent to \$1,379 million.

Barley shipments fell 35 per cent to \$226 million from the 1996 record value of \$347 million. As well, quantity declined 25 per cent to 1.1 million tonnes in 1997.

Canola seed exports rose in 1997, both in value (19.2 per cent to \$444 million) and in quantity (17.1 per cent to 1.0 million tonnes). Increased shipments of canola seed to Japan contributed substantially to this growth. Among the other oilseeds, flaxseed exports showed a strong increase in both value (37 per cent) and in quantity (43 per cent).

Exports of **live cattle** were down in 1997 compared to 1995 and 1996 levels, mainly due to higher domestic slaughter and declined shipments to the United States. The number of live cattle shipped from Alberta to other countries fell 19 per cent from the 1996 level to 590,312 head and the value dropped 11 per cent to \$661 million. As well, the number of **live hogs** exported dropped 17.2 per cent to 364,893 head.

On the positive side, lower exports of live cattle and hogs were offset by increased exports of **beef and pork**. The value of beef exports rose significantly by 36.5 per cent to \$691 million and the quantity was up 21 per cent to 217,732 tonnes. Exports of pork were up 17.6 per cent in value and 16 per cent in quantity. Both products continued to be major value added exports to foreign countries.

The primary destination of Alberta agri-food exports remains the United States at \$2.4 billion or about half of total international exports in 1997. The next nine largest markets were:

- Japan (\$714 million)
- Iran (\$201 million)
- People's Republic of China (\$151 million)
- Mexico (\$135 million)
- Indonesia (\$133 million)
- Algeria (\$127 million)
- South Korea (\$114 million)
- Belgium (\$82 million)
- Brazil (\$64 million)

These top ten markets represented 83 per cent of Alberta's value of agri-food exports in 1997, down from 85 per cent in 1996.

Compared to 1996 export levels, the U.S. market grew 5.6 per cent in 1997. Among the **top ten markets**, the greatest increase in exports was recorded by Algeria at 91 per cent (due to significant purchases of wheat). Exports to Iran rose by 30 per cent from 1996, also because of higher wheat sales. These increases were offset by sharp declines in exports to Brazil (down 50 per cent) and China (down 66 per cent). Lower shipments of wheat to these two markets contributed to the declines. The major factor contributing to sharply lower wheat exports to China was the record domestic production of wheat in 1996-97. China was a major buyer of Alberta wheat during the last five years. Exports to Japan (Alberta's second largest market) rose three per cent, while exports to Mexico fell six per cent.

For more information on Alberta's agri-food exports.....

refer to the following publications available from the Statistics Unit, Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development:

"Alberta's Agri-Food Exports" (Annual) and

"Agriculture Trade Information Quarterly"

Table 102 Value of Alberta Agri-Food Exports, 1985-1997

	Interprovincial Exports		International Exports (1)		Total Exports (2) (Out-of-Province Shipments)	
	\$'000	% Chg.	\$'000	% Chg.	\$'000	% Chg.
1985	1,315,980	-22.3	1,805,649	-23.6	3,121,629	-21.7
1986	1,150,771	-12.6	1,700,715	-5.8	2,851,486	-8.7
1987	1,047,653	-9.0	1,820,387	7.0	2,868,040	0.6
1988	1,420,610	35.6	2,430,625	33.5	3,851,235	34.3
1989r	1,682,088	18.4	2,081,117	-14.4	3,763,205	-2.3
1990r	1,312,255	-22.0	2,692,241	29.4	4,004,496	6.4
1991r	1,340,612	2.2	2,501,445	-7.1	3,842,057	-4.1
1992r	1,485,514	10.8	3,060,950	22.4	4,546,464	18.3
1993r	1,810,802	21.9	2,839,818	-7.2	4,650,620	2.3
1994r	1,990,988	10.0	3,747,547	32.0	5,738,535	23.4
1995r	2,164,969	8.7	4,309,502	15.0	6,474,471	12.8
1996r	2,471,764	14.2	4,975,553	15.5	7,447,317	15.0
1997p	(3)	(3)	5,002,286	0.5	(3)	(3)

(1) International exports in 1994, 1995 and 1996 were revised due to the Statistics Canada revision of grain exports.

(2) Total Exports (sum of interprovincial exports and international exports) are also referred to as "Out-of-Province Shipments".

(3) At the time of printing of this publication, interprovincial export information was not yet available for the 1997 data year.

Source: Statistics Unit, Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development; and International Trade Division, Statistics Canada

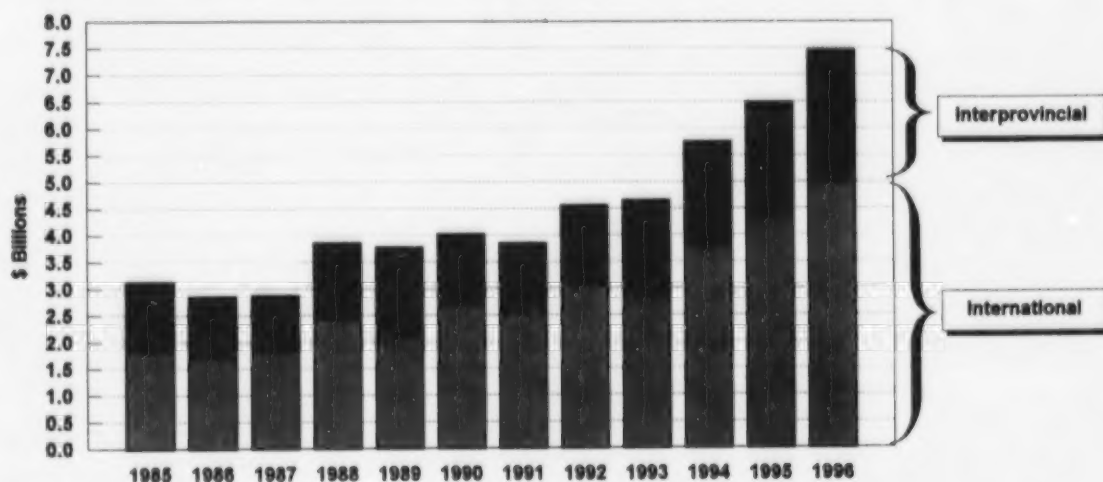
Fig. 42 Value of Alberta Agri-Food Exports, 1985-1996


Table 103 Value of Out-Of-Province Agri-Food Shipments by Commodity (1), Alberta, 1992-1996

	1992r	1993r	1994r	1995r	1996p	% Chg. 1996/95	Average 1992-96	% of Avg.
	\$'000					\$'000		
Live Animals	653,278	736,077	836,149	909,797	907,750	-0.2	808,610	14.0
Cattle and Calves	589,938	659,823	746,884	798,158	787,522	-1.3	716,465	12.4
Sheep and Lambs	5,238	6,542	6,060	8,232	8,313	1.0	6,877	0.1
Hogs	49,732	60,559	67,743	90,371	100,534	11.2	73,788	1.3
Other Live Animals	8,370	9,153	15,462	13,036	11,381	-12.7	11,480	0.2
Meat and Animal Products (2)	1,468,258	1,717,315	1,797,278	1,996,716	2,189,795	9.7	1,833,872	31.8
Beef and Veal	929,597	1,128,177	1,160,288	1,222,202	1,371,266	12.2	1,162,306	20.1
Pork	268,977	287,841	302,587	358,681	382,139	6.5	320,045	5.5
Other Meats	62,231	84,263	87,664	94,326	111,833	18.6	88,063	1.5
Dairy Products	50,026	49,049	48,023	68,160	72,100	5.8	57,472	1.0
Eggs	2,021	1,543	2,034	1,753	1,462	-16.6	1,763	0.0
Honey	12,113	14,635	16,296	23,855	21,184	-11.2	17,617	0.3
Other Meat and Animal Products	143,293	151,807	180,386	227,739	229,811	0.9	186,607	3.2
Grains and Oilseeds	1,837,727	1,493,341	2,185,361	2,452,552	3,155,278	28.7	2,224,852	38.5
Wheat	1,248,311	747,527	926,169	1,262,697	1,664,330	31.8	1,169,807	20.3
Oats	54,112	70,646	66,627	95,375	113,702	19.2	80,092	1.4
Barley	287,380	313,501	446,226	479,224	715,476	49.3	448,361	7.8
Rye	7,116	8,346	11,177	12,025	11,500	-4.4	10,033	0.2
Other Cereals (Unmilled)	307	446	605	1,028	399	-61.2	557	0.0
Canola	224,441	325,714	701,303	566,773	617,477	8.9	487,142	8.4
Mustard Seed	8,874	15,560	14,054	13,784	19,145	38.9	14,283	0.2
Flaxseed / Linseed	7,186	11,601	19,200	21,646	13,249	-38.8	14,576	0.3
Specialty Crops	72,927	69,354	104,763	138,807	150,993	8.8	107,369	1.9
Pears	31,298	33,375	64,401	83,530	91,366	9.4	60,794	1.1
Lentils	2,328	4,834	4,306	8,277	9,783	18.2	5,906	
Field Beans	7,856	5,803	7,987	10,115	8,028	-20.6	7,958	0.1
Forage Seeds	29,052	23,848	24,677	30,419	35,823	17.8	28,764	0.5
Other Specialty Crops	2,393	1,494	3,392	6,466	5,993	-7.3	3,948	0.1
Other Crops and Crop Products	302,921	378,372	491,511	592,926	624,543	5.3	478,055	8.3
Malt and Malt Flour	47,239	54,280	57,741	105,438	113,986	8.1	75,737	1.3
Canola Oil	192,973	249,768	354,124	401,110	413,274	3.0	322,250	5.6
Other Crops and Products	62,709	74,324	79,646	86,378	97,283	12.6	80,068	1.4
Fodder, Feedstuffs and Complete Feeds	148,466	179,450	221,967	270,364	284,004	5.0	220,850	3.8
Other Commodities (3)	62,887	76,711	101,506	113,309	134,954	19.1	97,873	1.7
Total Shipments	4,546,464	4,650,620	5,738,535	6,474,471	7,447,317	15.0	5,771,481	100.0

(1) Out-of-province shipments are estimates of interprovincial exports plus international exports.

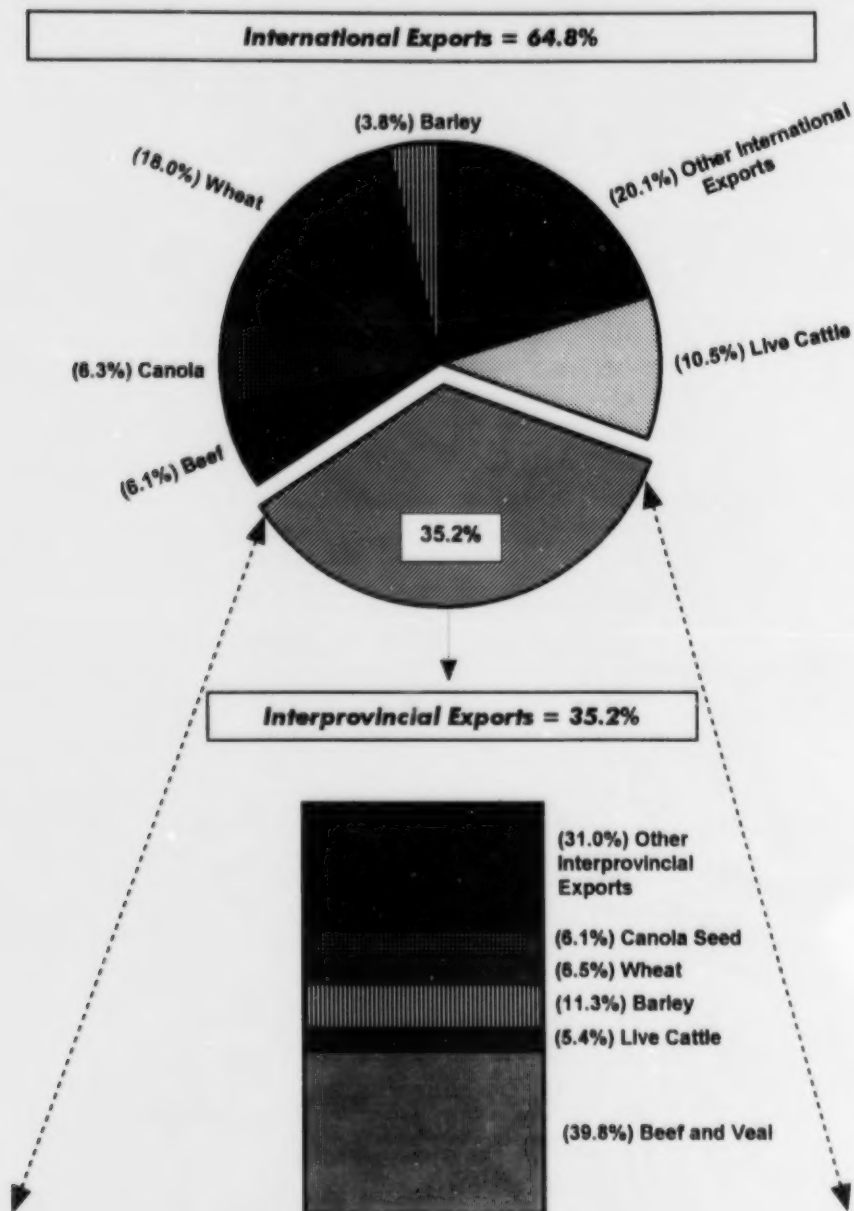
(2) Meat refers to fresh, chilled, frozen and include edible offal.

(3) Includes whiskey, other beverages and all other commodities.

Source: Statistics Unit, Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development; and Statistics Canada

Fig. 43 Estimated Out-of-Province Agri-Food Shipments, Alberta, 1992-1996 Average

Total Average Out-Of-Province Shipments for 1992-1996 = \$5.8 Billion



**Table 104 Quantity of Out-Of-Province Agri-Food Shipments by Commodity (1),
Alberta, 1992-1996**

	1992r	1993r	1994r	1995r	1996p	% Chg. 1996/95	Average 1992-96
Head							Head
Live Cattle and Calves	616,227	624,949	665,522	745,052	755,412	1.4	681,432
Live Hogs	367,730	384,478	451,459	593,369	574,712	-3.1	474,350
Tonnes							Tonnes
Meats (2)							
Beef	342,561	367,696	399,152	417,384	490,377	17.5	403,434
Pork	107,903	99,553	99,580	117,786	114,976	-2.4	107,960
Other Meats (3)	19,791	22,636	20,226	21,793	21,713	-0.4	21,232
Honey	6,908	7,811	8,052	11,312	6,875	-39.2	8,192
Barley	2,215,604	2,409,029	3,255,847	2,636,178	3,100,914	17.6	2,723,514
Wheat	6,292,974	4,755,308	5,759,144	5,480,030	5,940,492	8.4	5,645,590
Oats	412,826	558,240	540,900	638,712	561,470	-12.1	542,430
Rye	58,200	59,000	70,900	75,568	54,502	-27.9	63,634
Wheat Flour	90,684	75,654	118,008	104,509	90,512	-13.4	95,873
Malt and Malt Flour	133,999	141,719	178,452	286,213	209,778	-26.7	190,032
Peas	117,487	145,752	255,017	319,662	288,610	-9.7	225,306
Potatoes and Potato Products	40,535	57,588	42,568	54,102	74,480	37.7	53,855
Canola Oilcake Meal	294,407	338,986	434,728	526,195	385,721	-26.7	396,007
Alfalfa (Dehydrated)	277,295	193,100	189,836	202,594	166,620	-17.8	205,889
Forage Seeds	20,396	15,487	18,497	21,758	21,533	-1.0	19,534
Canola Seed	796,200	1,071,900	1,841,300	1,358,500	1,432,900	5.5	1,300,160
Flaxseed / Linseed	33,600	43,046	64,547	65,165	34,933	-46.4	48,258
Mustard Seed	29,163	42,420	39,532	36,101	46,000	27.4	38,643
Peat Moss / Sphagnum	100,639	115,357	90,549	79,191	75,576	-4.6	92,262
Tallow	104,212	79,282	85,858	104,881	104,095	-0.7	95,666
Canola Oil	334,414	364,512	416,501	455,708	453,371	-0.5	404,901

(1) Out-of-province shipments are estimates of interprovincial exports plus international exports.

(2) Fresh, chilled and frozen meat including edible offal.

(3) Includes mutton, horsemeat, poultry and other unprocessed and processed meat.

Source: Statistics Unit, Production Economics and Statistics Branch of Alberta Agriculture, Food and Rural Development;
and Statistics Canada

Table 105 Value of International Agri-Food Exports by Commodity, Alberta, 1993-1997

	1993	1994r	1995r	1996r	1997p	% Chg. 1997/96	Average % of 1993-97 Total
Animals and Crops							
Live Cattle (Including Purebred)	528,616	601,455	690,578	747,201	660,920	-11.5	645,754 15.5
Live Hogs	16,242	18,969	51,254	72,568	61,531	-15.2	44,113 1.1
Other Live Animals	6,746	12,344	11,660	11,617	15,497	33.4	11,573 0.3
Barley (1)	182,505	233,395	184,819	346,567	225,935	-34.8	234,644 5.6
Wheat (1)	659,819	945,570	1,067,135	1,479,222	1,379,648	-6.7	1,106,279 26.5
Oats (1)	70,646	52,775	64,206	57,227	63,583	11.1	61,687 1.5
Other Cereal Unmilled	5,072	4,366	13,053	9,684	8,037	-17.0	8,042 0.2
Peas	33,375	53,227	83,530	83,805	81,826	-2.4	67,153 1.6
Other Pulses (Lentils and Beans)	9,854	10,943	14,253	12,752	21,126	65.7	13,786 0.3
Fruits and Vegetables (Incl. Potatoes)	14,863	15,823	18,329	29,437	27,836	-5.4	21,258 0.5
Canola Seed	237,799	462,976	548,419	372,233	443,759	19.2	413,037 9.9
Other Oilseeds	23,504	36,908	47,793	34,214	38,082	11.3	36,100 0.9
Fodder and Canary Seed	29,390	36,548	48,339	43,051	64,876	50.7	44,441 1.1
Sub-Total	1,818,431	2,485,299	2,843,368	3,299,578	3,092,656	-6.3	2,707,866 64.9
Crude Animal and Plant Products	167,720	179,726	203,596	215,075	267,564	24.4	206,736 5.0
Processed Crop and Animal Products							
Meats - Beef	292,557	385,880	396,948	506,763	691,543	36.5	454,738 10.9
Pork	88,795	95,819	124,439	150,321	176,732	17.6	127,221 3.0
Horse	36,167	37,272	44,212	47,777	59,388	24.3	44,963 1.1
Other Meat	255	357	1,269	1,427	1,678	17.6	997 0.0
Processed Meat	41,857	44,828	45,630	60,198	34,562	-42.6	45,415 1.1
Dairy Products	8,049	2,923	18,160	23,163	17,250	-25.5	13,909 0.3
Eggs	105	101	87	659	67	-89.8	204 0.0
Honey	6,226	6,551	9,125	4,174	6,175	47.9	6,450 0.2
Wheat Flour	4,179	10,476	7,818	5,669	7,619	34.4	7,152 0.2
Other Cereals Milled and Prepared	57,556	65,143	98,451	127,268	119,697	-5.9	93,623 2.2
Oilseed Cake and Meal	63,408	81,304	100,040	92,947	92,351	-0.6	86,010 2.1
Alfalfa (Dehydrated)	28,065	29,907	32,575	29,020	24,973	-13.9	28,908 0.7
Feeds and Feed Preparations	58,838	75,582	90,338	124,077	139,851	12.7	97,737 2.3
Whisky	35,161	31,055	34,491	40,673	39,235	-3.5	36,123 0.9
Other Beverages and Tobacco	4,123	5,315	4,979	7,488	7,488	0.0	5,879 0.1
Tallow	33,091	43,835	68,911	64,014	69,297	8.3	55,830 1.3
Canola Oil and Mustard Oil	68,269	132,755	149,695	130,443	89,799	-31.2	114,192 2.7
Other Food Products, Oils and Sugar	26,966	33,419	35,370	44,819	62,668	39.8	40,648 1.0
Sub-Total	853,667	1,082,522	1,262,538	1,460,900	1,642,066	12.4	1,260,339 30.2
Total Agri-Food Exports	2,839,818	3,747,547	4,309,502	4,975,553	5,002,286	0.5	4,174,941 100.0

Note: Crude Animal and Plant Products includes inedible products such as raw hides, skins and other crude animal products, seeds for sowing, nursery stock, peat moss, etc.

(1) Exports of grains in 1994, 1995 and 1996 were revised due to revisions by Statistics Canada.

Source: Statistics Canada, International Trade Division

Table 106 Quantity of International Agri-Food Exports by Commodity, Alberta, 1993-1997

	1993	1994r	1995r	1996r	1997p	% Chg. 1997/96	Average 1993-97
	head						head
Purebred Cattle	670	382	52	341	1,505	341.3	590
Other Live Cattle	473,548	500,726	598,447	729,046	588,807	-19.2	578,115
Total Cattle	474,218	501,108	598,499	729,387	590,312	-19.1	578,705
Live Hogs	119,981	146,947	361,571	440,463	364,893	-17.2	286,771
	tonnes						tonnes
Meats (1)							
Beef	95,066	131,408	134,162	179,472	216,732	20.8	151,368
Pork	31,878	32,966	43,212	47,929	55,527	15.9	42,302
Horse	8,536	7,735	8,836	8,600	12,633	46.9	9,268
Other Meats and Preparations	12,805	11,512	12,234	12,440	6,830	-45.1	11,164
Honey	3,323	3,237	4,327	1,356	2,267	67.2	2,902
Barley (2)	1,402,419	1,702,945	1,016,677	1,499,640	1,121,627	-25.2	1,348,662
Wheat (2)	4,197,362	5,908,261	4,631,303	5,273,038	6,056,926	14.9	5,213,378
Oats (2)	558,240	428,444	429,976	282,494	335,227	18.7	406,876
Other Cereals (Unmilled)	34,563	27,304	79,505	45,193	34,814	-23.0	44,276
Wheat Flour	10,654	30,908	18,109	10,512	16,516	57.1	17,340
Peas	145,752	210,765	319,663	263,705	268,900	2.0	241,757
Oilseed Cake and Meal	346,428	435,310	526,331	388,229	375,269	-3.3	414,313
Alfalfa (Dehydrated)	193,100	189,836	202,594	166,661	122,916	-26.2	175,021
Seeds for Sowing	13,680	15,803	18,315	19,503	27,827	42.7	19,026
Canola Seed	782,414	1,215,563	1,314,504	863,818	1,011,159	17.1	1,037,492
Mustard Seed	42,420	39,532	36,101	45,929	33,443	-27.2	39,485
Flaxseed / Linseed	27,470	64,547	65,165	38,306	54,660	42.7	50,030
Peat Moss	115,357	90,549	79,191	72,050	109,826	52.4	93,395
Tallow	79,282	85,858	104,881	104,095	112,725	8.3	97,368
Canola Oil and Mustard Oil	99,629	156,139	170,071	145,941	94,486	-35.3	133,253

(1) Refers to fresh, chilled and frozen meat and includes edible offal.

(2) Exports of grains in 1994, 1995 and 1996 were revised due to revisions by Statistics Canada.

Source: Statistics Canada, International Trade Division

Fig. 44 Quantity of Wheat, Barley and Canola Exports From Alberta, 1993-1997

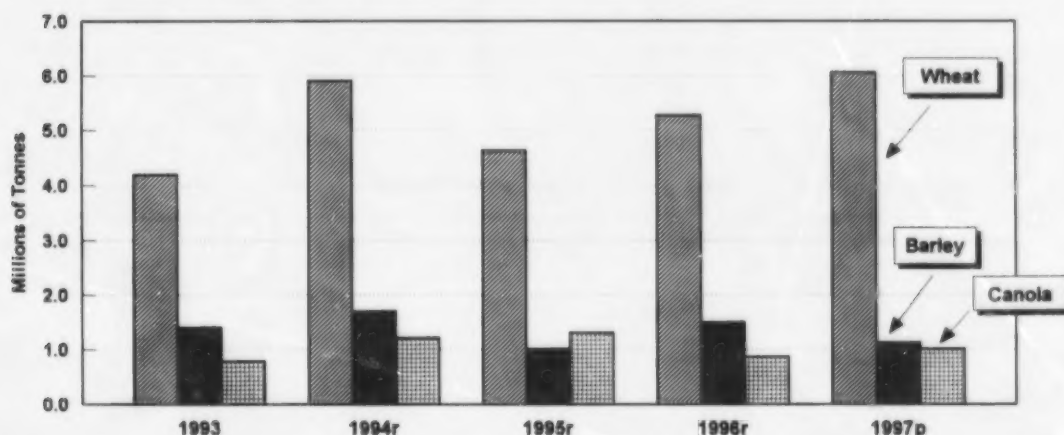


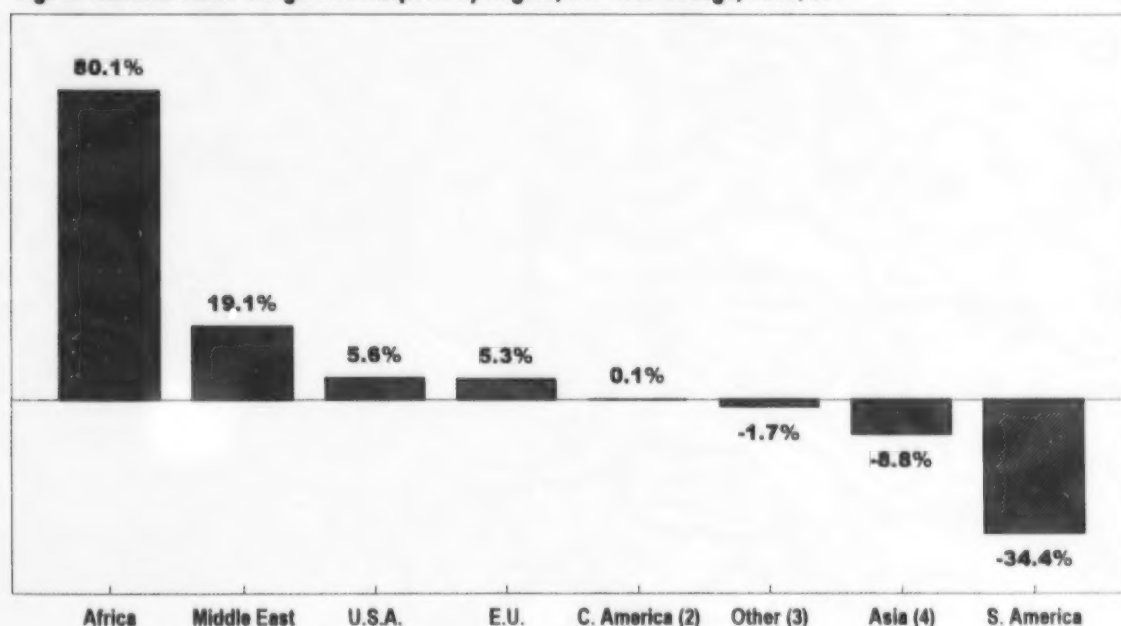
Table 107 Alberta and Canada Value of Agri-Food Exports by Region, 1996 and 1997

	Alberta			Canada		
	1996r	1997p	% Chg.	1996r	1997p	% Chg.
	\$'000			\$'000		
United States	2,308,355	2,437,525	5.6	10,115,230	11,280,860	11.5
Japan	695,331	714,096	2.7	2,111,045	2,239,291	6.1
Asia (excluding Japan)	821,913	669,405	-18.6	2,591,233	2,087,088	-19.5
European Union (E.U.) (1)	226,947	239,036	5.3	1,408,036	1,382,915	-1.8
Other Western Europe	9,728	14,671	50.8	73,789	103,509	40.3
South America	335,878	220,414	-34.4	920,556	1,049,686	14.0
Mexico	143,971	134,962	-6.3	1,126,464	831,555	-26.2
Central America (excl. Mexico)	38,127	47,313	24.1	569,904	796,980	39.8
Africa	104,663	188,464	80.1	429,817	399,036	-7.2
Middle East	268,715	319,963	19.1	235,958	243,143	3.0
Eastern Europe	12,842	7,740	-39.7	175,215	173,428	-1.0
Oceania	9,075	8,696	-4.2	73,597	88,694	20.5
Other North America	8	1	-87.5	3,819	1,017	-73.4
Total Exports	4,975,553	5,002,286	0.5	19,834,663	20,677,202	4.2

(1) Includes 15 countries: Belgium, Denmark, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, United Kingdom. As of January, 1995, new members included Austria, Finland and Sweden.

Source: Statistics Canada, International Trade Division

Fig. 45 Alberta Value of Agri-Food Exports by Region, Per Cent Change, 1997/96



(2) Refers to Total Central America including Mexico.

(3) "Other" category includes Eastern Europe, Western Europe (excluding the European Union) and Oceania.

(4) Refers to Total Asia including Japan.

Table 108 Value of International Agri-Food Exports by Destination, Alberta, 1993-1997

	1993	1994r	1995r	1996r	1997p	% Chg. 1997/96	Average 1993-97	% of Avg.
	1993						1997	
United States	1,435,470	1,899,975	1,984,152	2,308,355	2,437,525	5.6	2,013,095	48.2
Japan	503,464	531,030	720,661	695,331	714,096	2.7	632,916	15.2
Iran	26,131	84,636	104,749	154,638	201,021	30.0	114,235	2.7
People's Republic of China	113,760	195,839	425,610	445,711	151,099	-66.1	266,404	6.4
Mexico	63,606	91,249	126,076	143,971	134,962	-6.3	111,973	2.7
Indonesia	38,955	51,764	31,824	118,561	133,538	12.6	74,928	1.8
Algeria	25,538	50,624	72,575	66,645	127,373	91.1	68,551	1.6
Korea S.	103,063	170,490	63,154	111,086	114,187	2.8	112,396	2.7
Belgium	25,071	87,417	110,439	52,367	82,408	57.4	71,540	1.7
Brazil	69,251	87,525	62,645	127,377	63,989	-49.8	82,157	2.0
Saudi Arabia	60,997	21,990	7,456	79,642	61,841	-22.4	46,385	1.1
Taiwan	42,126	41,817	57,101	45,194	56,426	24.9	48,533	1.2
Italy	15,536	26,967	37,799	46,646	54,094	16.0	36,208	0.9
Pakistan	16,204	1,287	43,123	1,571	47,320	2,912.1	21,901	0.5
Colombia	17,343	21,640	29,799	68,878	43,320	-37.1	36,196	0.9
Philippines	3,367	4,244	21,319	15,880	40,411	154.5	17,044	0.4
Peru	8,961	5,454	10,644	15,417	38,124	147.3	15,720	0.4
Venezuela	11,058	12,239	19,952	57,892	37,777	-34.7	27,784	0.7
Malaysia	6,153	5,770	13,794	10,271	30,569	197.6	13,311	0.3
Chile	9,514	23,611	13,739	51,843	27,095	-47.7	25,160	0.6
United Kingdom	10,444	20,112	21,327	23,875	25,126	5.2	20,177	0.5
Spain	11,700	12,991	21,696	18,571	25,091	35.1	18,010	0.4
India	6,438	11,891	6,269	8,012	24,515	206.0	11,425	0.3
Bangladesh	5,666	19,717	2,851	44	24,406	55,368.2	10,537	0.3
Libyan Arab Jama	11,949	9,858	7,062	16,677	21,819	30.8	13,473	0.3
France	22,355	51,059	28,515	22,927	21,655	-5.5	29,302	0.7
Hong Kong	6,051	10,920	24,364	29,060	19,031	-34.5	17,885	0.4
Thailand	3,694	10,641	18,219	24,921	18,397	-26.2	15,174	0.4
Morocco	10,893	1,124	16,256	16,907	17,531	3.7	12,542	0.3
Cuba	6,064	6,087	7,314	13,793	17,171	24.5	10,086	0.2
Netherlands	20,254	50,737	64,666	27,012	15,922	-41.1	35,718	0.9
All Other Countries	128,742	126,842	134,352	156,478	174,447	11.5	144,172	3.5
Total Exports	2,839,818	3,747,547	4,309,502	4,975,553	5,002,286	0.5	4,174,941	100.0

Source: Statistics Canada, International Trade Division

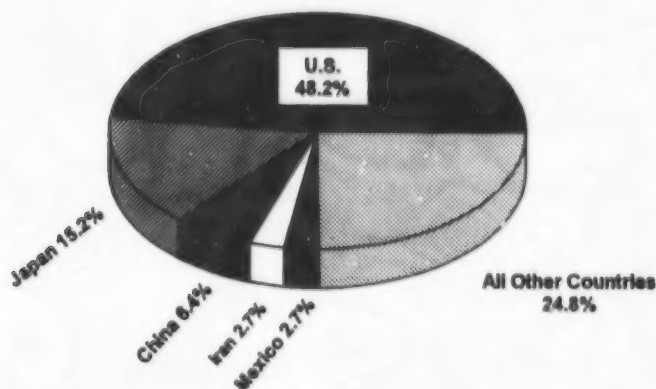
Fig. 46 Distribution of Alberta's Major Agri-Food Export Markets, 1993-1997 Average


Table 109 Value of International Agri-Food Exports by Commodity, Canada, Western Canada and Alberta, 1996 and 1997

	Canada		Western Canada (1)		Alberta		'97 % of Canada
	1996r	1997p	1996r	1997p	1996r	1997p	
	\$'000						
Live Animals	1,881,395	1,901,175	1,472,859	1,432,746	831,386	737,948	38.8
Purebred Cattle	12,414	11,309	2,213	4,520	1,222	4,235	37.4
Other Cattle	1,385,753	1,322,917	1,193,198	1,137,790	745,979	656,685	49.6
Hogs	383,387	444,675	241,994	243,835	72,568	61,531	13.8
Other	99,841	122,274	35,454	46,601	11,617	15,497	12.7
Meats	2,004,620	2,451,271	1,013,138	1,325,942	766,486	963,903	39.3
Beef	761,395	1,017,536	562,319	756,753	506,763	691,543	68.0
Pork	899,497	1,086,479	293,377	416,724	150,321	176,732	16.3
Horse Meat	60,713	73,187	48,452	60,088	47,777	59,388	81.1
Other Meats and Preparations	283,015	274,069	108,990	92,377	61,625	36,240	13.2
Dairy Products, Eggs and Honey	348,028	390,492	68,251	64,026	27,996	23,492	6.0
Barley	786,223	512,556	786,223	512,556	346,567	225,935	44.1
Wheat	4,654,801	4,372,512	4,588,181	4,315,056	1,479,222	1,379,648	31.6
Oats	269,735	300,648	269,494	299,834	57,227	63,583	21.1
Other Cereals (Unmilled)	185,738	111,681	46,360	42,671	9,684	8,037	7.2
Cereal Products	1,086,024	1,195,672	336,579	369,182	132,937	127,316	10.6
Pulses (Dry Peas, Lentils and Beans)	541,369	511,584	481,660	459,401	96,759	103,062	20.1
Fruits, Vegetables and Preparations	1,035,370	1,219,690	293,694	351,724	36,062	38,781	3.2
Sugar and Sugar Preparations	332,856	372,068	10,979	8,906	1,272	5,122	1.4
Other Foods and Food Preparations	856,521	1,015,897	61,906	67,698	12,983	18,397	1.8
Oilseed Cake and Meal	313,856	316,660	192,141	228,768	92,947	92,351	29.2
Alfalfa (Dehydrated)	70,097	60,321	67,223	57,848	29,020	24,973	41.4
Other Fodder and Feeds	689,571	761,633	280,366	318,923	167,128	204,727	26.9
Beverages and Tobacco Products	1,318,036	1,420,676	136,187	133,682	48,161	48,416	3.4
Crude Animal Products	520,464	583,829	200,355	228,122	163,620	184,643	31.6
Seeds for Sowing	76,114	108,591	66,504	96,773	31,444	48,951	45.1
Canola Seed	1,035,937	1,235,443	1,035,937	1,235,443	372,233	443,759	35.9
Other Oilseeds	590,094	657,425	390,791	446,330	34,214	38,082	5.8
Peat Moss	199,918	219,724	38,263	54,756	19,775	33,134	15.1
Other Crude Vegetable Products	191,006	199,781	29,525	37,785	236	836	0.4
Tallow	122,782	131,752	74,310	80,467	64,014	69,297	52.6
Canola Oil and Mustard Oil	534,117	423,569	444,299	331,718	130,443	89,799	21.2
Other Oils, Fats, Waxes and Extracts	189,991	202,552	55,661	70,800	23,737	28,094	13.9
Total Exports	19,834,663	20,677,202	12,440,886	12,571,157	4,975,533	5,002,286	24.2

(1) Western Canada refers to Alberta, British Columbia, Saskatchewan and Manitoba.

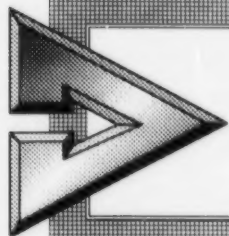
Source: Statistics Canada, International Trade Division

Table 110 Value of International Agri-Food Exports by Destination, Canada, Western Canada and Alberta, 1996 and 1997

	Canada		Western Canada (1)		Alberta		
	1996r	1997p	1996r	1997p	1996r	1997p	'97 % of Canada
	\$'000						
United States	10,115,230	11,280,860	4,623,486	5,198,715	2,308,355	2,437,525	21.6
Japan	2,111,045	2,239,291	1,758,378	1,820,944	695,331	714,096	31.9
Algeria	386,749	566,271	342,798	544,738	66,645	127,373	22.5
Iran	488,594	555,365	487,209	553,031	154,638	201,021	36.2
People's Republic of China	1,188,208	445,817	1,174,772	418,941	445,711	151,099	33.9
Mexico	429,817	399,036	403,195	380,886	143,971	134,962	33.8
Belgium	336,084	398,996	292,592	353,952	52,367	82,408	20.7
Indonesia	367,475	366,417	363,685	361,978	118,561	133,538	36.4
Korea S.	364,233	352,858	265,839	266,184	111,086	114,187	32.4
United Kingdom	263,948	254,871	78,588	87,834	23,875	25,126	9.9
Hong Kong	251,611	253,627	118,136	86,455	29,060	19,031	7.5
Brazil	390,133	229,177	366,967	205,372	127,377	63,989	27.9
Italy	176,056	195,885	140,004	169,006	46,646	54,094	27.6
Libyan Arab	104,499	172,819	58,862	85,378	16,677	21,819	12.6
Venezuela	234,846	168,879	213,552	147,707	57,892	37,777	22.4
Saudi Arabia	193,679	152,825	181,076	141,356	79,642	61,841	40.5
Taiwan	117,799	141,667	75,348	90,330	45,194	56,426	39.8
Colombia	214,827	139,136	207,852	130,391	68,878	43,320	31.1
Philippines	63,686	138,168	53,441	119,435	15,880	40,411	29.2
Peru	55,193	133,744	50,151	131,159	15,417	38,124	28.5
Spain	111,251	123,508	80,372	95,938	18,571	25,091	20.3
Germany	173,266	119,567	101,295	55,056	27,432	7,551	6.3
Netherlands	157,565	116,793	95,557	84,827	27,012	15,922	13.6
Russia	73,774	92,301	4,506	9,105	1,799	1,782	1.9
Chile	164,388	91,445	157,069	82,135	51,843	27,095	29.6
Cuba	92,719	90,427	45,181	51,721	13,793	17,171	19.0
Malaysia	49,298	90,259	31,100	71,600	10,271	30,569	33.9
Turkey	52,525	83,690	16,665	46,471	4,417	11,901	14.2
Morocco	82,925	76,740	82,477	75,641	16,907	17,531	22.8
India	32,741	76,282	32,008	75,370	8,012	24,515	32.1
France	96,322	74,065	53,350	31,808	22,927	21,655	29.2
Norway	41,058	70,665	1,534	14,616	567	3,938	5.6
Bangladesh	19,149	68,964	16,940	66,063	44	24,406	35.4
Australia	39,262	56,894	7,005	11,776	2,966	3,913	6.9
Thailand	76,458	51,972	69,516	45,446	24,921	18,397	35.4
Pakistan	6,804	51,301	4,850	49,289	1,571	47,320	92.2
South Africa	32,384	48,869	23,295	39,439	6,969	13,315	27.2
Guatemala	33,600	34,367	29,797	29,837	9,696	10,045	29.2
Ecuador	30,859	30,449	30,169	29,502	9,074	7,432	24.4
New Zealand	32,267	29,409	16,237	13,722	5,587	4,337	14.7
Poland	55,376	28,701	30,663	7,669	9,891	2,641	9.2
Emirates, U.A.	13,363	28,148	1,727	21,189	409	11,198	39.8
Switzerland	28,759	27,965	15,833	16,339	8,757	10,105	36.1
Nigeria	7,771	26,895	7,607	26,711	2,542	8,924	33.2
Singapore	24,915	26,667	8,986	8,904	3,051	3,623	13.6
Greece	16,762	26,437	10,227	13,371	1,259	2,760	10.4
All Other Countries	435,390	448,713	210,989	203,820	62,062	70,982	15.8
Total	19,834,663	20,677,202	12,440,886	12,571,157	4,975,553	5,002,286	24.2

(1) Western Canada refers to Alberta, British Columbia, Saskatchewan and Manitoba.

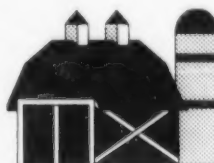
Source: Statistics Canada, International Trade Division



CENSUS OF AGRICULTURE

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**The 1996 Census of Agriculture
defined a FARM as:**



.....an agricultural operation producing at least one of the following products intended for sale (no minimal sales requirement): crops (field crops, tree fruits or nuts, berries or grapes, vegetables, seed); livestock (cattle, hogs, sheep, horses, exotic animals); poultry (hens, chickens, turkeys, exotic birds); animal products (milk, cream, eggs, wool, furs, meats); or other agricultural products (greenhouse or nursery products, Christmas trees, mushrooms, sod, honey and maple syrup).

Farm operations producing only Christmas trees were included for the first time in the 1996 Census. Farms which produced Christmas trees along with other agricultural products were included in censuses prior to 1996 even though there were no specific questions on Christmas tree production or area.

The number of farms in Alberta in 1996 totalled 59,007 (includes Christmas tree farms). Farms excluding Christmas tree farms totalled 58,990 farms (a difference of 17 farms).

The 1996 Census of Agriculture - A Few Notes

The 1996 Census of Agriculture was conducted by Statistics Canada on May 14, 1996, in conjunction with the Census of Population, almost three weeks earlier than the traditional early June date (usually first Tuesday of the month). This was implemented to improve follow-up activities since the questionnaire was dropped off and mailed back in the same month (which avoided beginning or end-of-the-month movers). In addition, most people had not yet left for their annual vacations and were available if census representatives required further information. Reduced follow-up translated into reduced costs for the collection of census data.

The mid-May, 1996 date had minimal impact on the majority of characteristics included in the Census of Agriculture. However, data on field crops were affected since many farmers reported "seeding intentions" rather than actual areas seeded. Consequently, to ensure that 1996 crop data could be compared to previous censuses, a follow-up was conducted for crop operations which reported less than 90 per cent of their crop area seeded on May 14th. Confirmed seeded areas gathered during this follow-up became the official census crop figures.

Note: In 1996, as in previous censuses, farm operators were required to complete both Census of Agriculture and Census of Population questionnaires.

Conditions Affecting Agriculture at the Time of the 1996 Census

(1) Trade liberalization agreements such as the North American Free Trade Agreement (NAFTA) and the establishment of the World Trade Organization (WTO) increased access to more secure international markets.

(2) After several years of expansion in the beef herd, beef producers found themselves at the top of the "beef cycle" in early 1996. There was now a greater supply of cattle ready for the market than the market demanded. Consequently, producers faced lower prices for all types of cattle. On the other hand, the hog industry enjoyed higher prices as demand for hogs outstripped the Canadian supply.

(3) In the beginning of 1996, higher grain prices were anticipated due to 20-year lows in world wheat stocks and poorer winter wheat crops in the United States. However, the optimism of higher grain prices was tempered as farmers faced a cold, wet spring in 1996. Poor conditions delayed tilling and seeding and in many cases, the shortened season limited the variety of crops seeded.

(4) In 1996, the trend in reduced government program payments to farmers continued. In late 1995, the federal government ended the Crow's Nest Pass Agreement and the Feed Freight Assistance Program. These programs had subsidized the rail transportation of grain and grain by-products to West Coast ports and to markets in Central and Eastern Canada.

(5) The growing consumer interest in nutrition and the increasing demand for healthier, fresh and unique foods, has provided increased opportunities for farmers in terms of diversification and niche markets.

New for 1996

The Census of Agriculture produces detailed information on the state of agriculture for Canada, the provinces and small areas (census divisions, counties, municipal districts, improvement districts and special areas). Following an extensive consultation process, the 1996 questionnaire included several new questions reflecting changing structural and technological trends in agriculture. New data included:

- ✓ progress of spring seeding and spring planting
- ✓ area of Christmas trees grown for sale and number of trees harvested in 1995
- ✓ time commitments to the agricultural operation and to other paid employment
- ✓ other businesses operated separately from the farm
- ✓ type of injuries suffered while performing agriculture-related activities
- ✓ number of birds hatched in a commercial hatchery
- ✓ number of game/exotic livestock including bison, deer and llamas
- ✓ expansion of questions on land management practices including area of manure application
- ✓ amount operators spent on capital improvements and purchases of major capital assets
- ✓ expenses for insurance premiums, packaging material, repairs and maintenance to farm buildings and fences
- ✓ percentage of seed, plants, etc., purchased from dealers and wholesalers.

Headquarters Rule

Many agricultural operations in Alberta and other provinces are composed of several parcels of land in a number of locations. These different locations are often situated in a number of geographical areas (such as counties or townships). In these situations, the "headquarters rule" assigns all data collected for the agricultural operation to the geographic area where the farm headquarters is located.

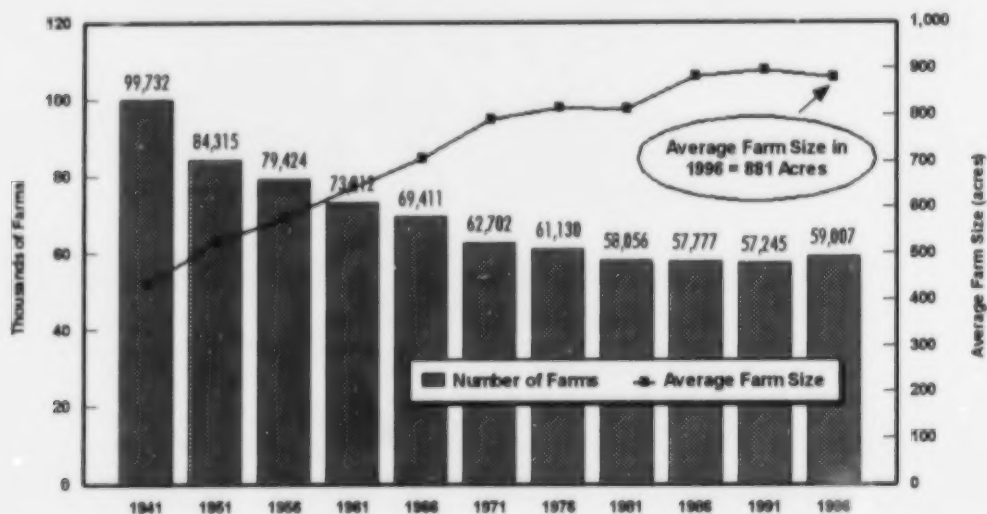
Incompletely Enumerated Indian Reserves

In 1996, some Indian reserves and Indian settlements were incompletely enumerated, as enumeration was either not permitted or was interrupted before it could be completed. Consequently, it was not possible to identify any census farms on these particular reserves or settlements. The impact of the missing data, is however, very slight at both the Canada level and provincial level.



For further information, users are advised to refer to the footnotes and definitions provided at the end of this section.

Characteristics of Alberta Farms in 1996



● In 1996, **554,011 Albertans (or 21 per cent)** lived in rural areas of the province. Compared to the previous census conducted in 1991, rural population increased 7.6 per cent, faster than urban growth at 5.5 per cent. This was the first time since the 1930s that rural growth outpaced urban growth.

● The steady downward trend over the past several decades in the **number of Alberta farms** reversed in 1996 with an increase of 3.1 per cent over 1991 to total **59,007**. Alberta has the second highest number of farms in Canada (after Ontario at 67,520). Although total Canadian farms (276,548) continued to decline in 1996, the decrease of just over one per cent was the smallest ever between census years.

● Among the 54,626 Alberta farms with gross farm receipts over \$2,500 in 1996, the **top three farm types** were:

- cattle or beef farms (24,718 or 45 per cent of total farms)
- grain and oilseed (excluding wheat) farms (10,343 or 19 per cent)
- wheat farms (5,243 or 10 per cent).

Compared to 1991, farms with the smaller absolute numbers, **grew the fastest in 1996:**

- fruit farms (up 53 per cent to 95)
- field crop (excluding grain and oilseed) farms (up 51 per cent to 3,825)
- miscellaneous specialty farms (up 29 per cent to 4,794).

Following a large gain of almost 30 per cent in 1991, the number of cattle farms rose only 12 per cent in 1996. In comparison, hog farms dropped 31 per cent to 1,149.

● About 37 per cent of all **cattle (beef) farms** in Canada are located in Alberta, the highest proportion of any province. Hog farms (1,149) accounted for 14 per cent of the Canadian total.

● Alberta accounts for 31 per cent or 51,964,360 acres of **total farm land** in Canada. At 23,590,033 acres, Alberta has the second largest **land area in crops** in the nation. Over the last twenty years, the province has expanded its land area in crops by 25 per cent.

● Expanding farm areas and consolidation of farm operations during recent decades has resulted in a larger **average farm size** - from 579 acres forty years ago to **881 acres** in 1996. After Saskatchewan (1,152 acres), Alberta farmers operate the second largest farms in Canada.

● Alberta has the **largest irrigated land area** in Canada at 1.3 million acres, an increase of 13 per cent over the previous census in 1991.

● Following Saskatchewan, Alberta reported the second highest area of **fertilizer applied** at 17.4 million acres (up 11 per cent over 1991). **Herbicide coverage** also increased to 14.9 million acres (up seven per cent).

● The **area of no-till land in Alberta** more than tripled between 1991 and 1996 to 1.9 million acres (or about ten per cent of all land prepared for seeding). Canada also reported a large gain of 135 per cent. These increases indicate that farmers in Alberta and the rest of Canada are rapidly incorporating soil conservation measures in their farming practices.

● **Wheat** (including spring wheat, durum wheat and winter wheat) remains Alberta's number one crop. In 1996, almost 20,000 farmers planted 7.32 million acres, or about one-quarter of the total Canadian acreage (second highest area after Saskatchewan at 18.18 million acres).

	Top Ten Crops Grown in 1996	Acres
1.	All Wheat	7,324,846
2.	Barley	5,775,824
3.	Total Hay and Fodder Crops	4,753,165
4.	Canola	3,151,296
5.	Oats	1,386,179
6.	Dry Field Peas	286,037
7.	Forage Seed for Seed	236,974
8.	Mixed Grains	226,374
9.	Total Rye (Fall and Spring)	102,865
10.	Mustard Seed	91,109

● **Six major crops grown in Alberta** comprise about three-quarters of the total area of land in crops. Compared to 1991, increased acreage in 1996 was reported for **oats** (up 7.8 per cent), **barley** (up 6.9 per cent) and **canola** (up 5.7 per cent). Areas of the remaining crops declined - **all wheat** (down 5.1 per cent), **total rye** (down 36.1 per cent) and **flaxseed** (down 51.7 per cent).

● **Crop diversification** on Alberta farms is on the rise. Between 1991 and 1996, specialty crops showed the largest gains in acreage among the province's crops. Gains of over 50 per cent were reported for triticale, dry field peas, buckwheat, lentils and mustard seed.

● Compared to 1991, Alberta's **beef cow herd** increased 23.3 per cent in 1996 to 2.0 million head or 43.1 per cent of Canada's total. The number of **pigs** in the province remained flat at 1.7 million head (almost 16 per cent of national total).

● Among Canadian farms, Alberta raised the greatest number of **bison** (22,782 or 50 per cent) and **llamas and alpacas** (3,692 or 43 per cent) in 1996. The province had the fourth largest **deer and elk herd** at 10,687 (15 per cent).

● Compared to twenty years ago, the proportion of **smaller farms** of 129 acres or less has grown to 16 per cent of total farms in 1996. There are also **more larger farms** of 1,120 acres or greater (21 per cent). In contrast, the percentage of mid-sized farms (130 to 1,119 acres) fell from 72 per cent in 1976 to 63 per cent in 1996.

● In 1996, Alberta farms generated \$7.9 billion in gross farm receipts or about one-quarter of total Canadian receipts. **The top five generators of revenue were:**

Farm Type	Receipts (\$'000)	% of Total
Cattle	4,044,503	51.2
Grain & Oilseed (excluding Wheat)	1,385,804	17.5
Wheat	635,491	8.0
Livestock Combination	400,315	5.1
Hog	317,728	4.1

● Compared to 1991, **gross farm receipts were up for all farm types in 1996**. Cattle farms and farm types with much smaller total revenues reported the largest gains in receipts. Fruit farm receipts quadrupled; miscellaneous specialty receipts rose 75 per cent; cattle, field crop (excluding grain and oilseed) and vegetable farms posted gains just over 50 per cent. The smallest increases were reported by hog farms (8.9 per cent) and dairy farms (4.1 per cent).

● Distribution of Alberta farms by **class of gross farm receipts** in 1996:

Under \$25,000 = 23,361 farms (or 40 per cent)
 \$25,000 to \$49,999 = 9,057 farms (or 15 per cent)
 \$50,000 to \$99,999 = 9,689 farms (or 16 per cent)
 \$100,000 and Over = 16,900 farms (or 29 per cent)

● Growth in the number of **"large farms"** with gross farm receipts of \$100,000 and over (in current dollars) continued in 1996 - up 24 per cent over 1991. The only other increase was reported for farms with receipts under \$25,000 at about two per cent. In 1996, **"large farms" generated \$6.7 billion in revenue** or 84 per cent of total provincial receipts.

● Alberta **average gross farm receipts** per farm in 1996 was \$134,071, up from \$106,212 in 1991 (in constant 1995 dollars). **Average farm operating expenses** moved up from \$91,615 to \$113,029.

● In 1996, approximately one-half of all Alberta farms reported making **purchases of capital assets and capital improvements**. Expenditures totalled \$1.5 billion or an average of \$51,677 per reporting farm (second highest in Canada after Prince Edward Island at \$69,040).

● In 1996, British Columbia and Alberta led the nation in the use of **personal computers** for farm business management purposes. Approximately 23 per cent of Alberta farms reported usage in 1996, almost double the rate in 1991. B.C.'s rate was 24 per cent in 1996.

Table 111 Alberta Farm Operators, 1996

	Total Farms	Farms With One Operator	Farms With Two or More Operators
Number of Census Farms	59,005	36,315	22,690
Operating Arrangements			
Sole Proprietorship	35,940	29,575	6,365
Partnership	16,670	3,565	13,105
Corporation	6,210	3,000	3,210
Other	190	180	10
Average Farm Cash Receipts	\$134,071	\$130,390	\$139,964
<i>Note: Farm operators are responsible for the day-to-day management decisions made in the operation of a census farm. "Operators", "farm operators" and "farmers" can be used interchangeably</i>			
	Total Operators	Operators of Farms With One Operator	Operators of Farms With Two or More Operators
Total Number of Farm Operators	82,455	35,435	47,020
Male	60,585	33,110	27,470
Female	21,870	2,320	19,550
Age of Farm Operators			
Under 35 Years	13,485	4,830	8,650
35-54 Years	42,315	17,055	25,265
55 Years and Over	26,655	13,550	13,105
Average Age of Farm Operators			
- in 1991	47.3	48.9	46.0
- in 1996	48.2	50.2	46.7
Size of Farm			
Under 10 Acres	2,125	845	1,275
10-69 Acres	6,370	2,490	3,885
70-239 Acres	20,100	8,970	11,130
240-559 Acres	18,965	8,885	10,075
560-1,599 Acres	23,195	10,240	12,955
1,600 Acres and Over	11,705	4,005	7,695
Non-Farm Work Done (response no or yes) *			
No - in 1990	48,775	20,930	27,845
No - in 1995	41,540	18,390	23,150
Yes - in 1990	32,645	13,360	19,285
Yes - in 1995	40,915	17,045	23,870
Paid Work in 1995 (not related to the agricultural operation) *			
None	56,230	24,940	31,295
Less Than 20 Hours Per Week	6,500	2,420	4,075
20-40 Hours Per Week	10,915	4,170	6,745
More Than 40 Hours Per Week	8,805	3,905	4,900
Number of Other Businesses Operated in 1995 (other than farming) *			
None	67,765	28,890	38,875
One Business	13,960	6,235	7,725
Two or More Businesses	730	310	420
Types of Other Businesses Operated in 1995 *			
Sales	2,980	1,190	1,785
Services	7,480	3,235	4,245
Construction	2,860	1,465	1,395
Manufacturing	845	365	480
Other	1,365	635	730
Farm Related Injuries in 1995 (requiring professional medical attention)*			
No	78,715	33,670	45,045
Yes	3,740	1,765	1,975

Note: Non-farm work consists of paid work not related to the agricultural operation done by operators, as well as businesses other than farms operated by farmers in 1995. For 1990, the number of operators performing non-farm work includes only those who reported one or more days of work off the holding for pay. This change in definition affects the comparability of 1990 and 1995 data.

* Data are for the previous calendar year (1990 or 1995).

Source: Statistics Canada, Census of Agriculture

Fig. 47 Per Cent Change in Alberta's Urban and Rural Population, 1976-1996

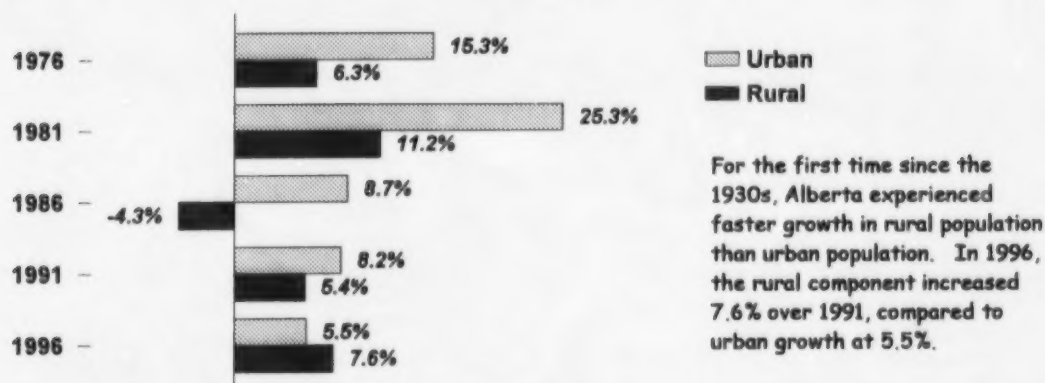
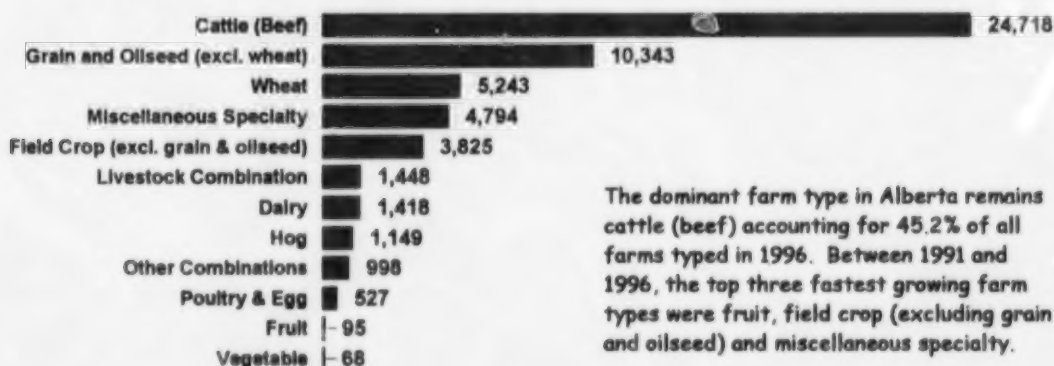


Fig. 48 Per Cent Distribution of Alberta Farms by Class of Gross Farm Receipts, 1976 and 1996



Between 1976 and 1996, shifts in distribution of gross farm receipts were most significant in the lower and higher class groups. The percentage of farms with less than \$25,000 in sales fell sharply from 69% to about 40% in 1996. In contrast, the proportion of "large" farms with sales of \$100,000 or more grew from about 4% to nearly 29%.

Fig. 49 Alberta Number of Farms by Type (With Gross Farm Receipts Over \$2,500), 1996



The dominant farm type in Alberta remains cattle (beef) accounting for 45.2% of all farms typed in 1996. Between 1991 and 1996, the top three fastest growing farm types were fruit, field crop (excluding grain and oilseed) and miscellaneous specialty.

Table 112 Census of Agriculture Profile for Alberta, 1976-1996

	1976	1981	1986	1991	1996*	% of Total 1996/91	% Chg.
Total Population of Alberta	1,838,036	2,237,724	2,365,830	2,545,555	2,696,826	100.0	5.9
Rural Population	458,870	510,179	488,070	514,660	554,011	20.5	7.6
% Change From Previous Census Year	6.3	11.2	-4.3	5.4	7.6	-	-
Urban Population	1,379,170	1,727,545	1,877,760	2,030,895	2,142,815	79.5	5.5
% Change From Previous Census Year	15.3	25.3	8.7	8.2	5.5	-	-
Number of Census Farms (1)	61,130	58,056	57,777	57,245	59,007	-	3.1
Average Farm Size (acres)	817	813	883	898	881	-	-1.9
Distribution of Farms by Size (no.)							
3 - 9 acres	730	910	1,031	1,008	1,511	2.6	49.9
10 - 69 acres	3,548	3,352	3,365	3,420	4,458	7.6	30.4
70 - 239 acres	11,572	12,426	12,588	13,268	14,724	25.0	11.0
240 - 399 acres	10,877	9,383	8,726	8,536	8,420	14.3	-1.4
400 - 559 acres	7,947	6,844	6,267	5,911	5,594	9.5	-5.4
560 - 759 acres	7,269	6,404	6,103	5,672	5,363	9.1	-5.4
760 - 1,119 acres	8,172	7,600	7,341	6,825	6,424	10.9	-5.9
1,120 acres and over	11,015	11,137	12,356	12,605	12,513	21.2	-0.7
1,120 - 1,599 acres	5,038	4,978	5,164	5,188	4,845	8.2	-6.6
1,600 acres and over	5,977	6,159	7,192	7,417	7,668	13.0	3.4
Total No. of Farms	61,130	58,056	57,777	57,245	59,007	100.0	3.1
Farms Reporting Gross Farm Receipts of \$2,500 or More by Type (no.) (2)							
Dairy	1,933	2,743	1,828	1,379	1,418	2.6	2.8
Cattle (Beef)	19,505	16,098	17,110	22,143	24,718	45.2	11.6
Hog	1,176	1,402	1,635	1,653	1,149	2.1	-30.5
Poultry and Egg	307	622	533	412	527	1.0	27.9
Wheat	8,500	7,378	8,504	6,015	5,243	9.6	-12.8
Grain and Oilseed (except wheat)	14,719	16,493	15,403	12,659	10,343	18.9	-18.3
Field Crops (except grain and oilseed)	524	1,122	1,187	2,540	3,825	7.0	50.6
Fruit	-	5	14	62	95	0.2	53.2
Vegetable	-	70	105	80	68	0.1	-15.0
Miscellaneous Specialty	662	1,574	1,944	3,730	4,794	8.8	28.5
Livestock Combination	3,105	2,515	1,399	1,775	1,448	2.7	-18.4
Other Combinations	-	1,142	2,081	995	998	1.8	0.3
Total No. of Farms Classified	50,431	51,164	51,743	53,443	54,626	100.0	2.2
Use of Land (acres) (3)							
Total Area of Farms	49,928,771	47,218,170	51,040,463	51,425,111	51,964,360	100.0	1.0
Total Land in Crops	18,877,471	20,858,765	22,641,092	22,961,142	23,590,033	45.4	2.7
Summerfallow	6,494,462	5,449,831	5,255,965	4,377,212	3,550,265	6.8	-18.9
Tame or Seeded Pasture (4)	3,277,655	3,907,830	3,402,183	4,305,760	4,731,087	9.1	9.9
All Other Land (5)	21,279,183	17,001,799	19,741,223	19,780,997	20,092,975	38.7	1.6
Farm Land Classified by Tenure (acres)							
Total Area of Farms	49,928,771	47,218,170	51,040,463	51,425,111	51,964,360	100.0	1.0
Area Owned	32,098,368	30,663,075	29,785,690	30,467,667	31,344,893	60.3	2.9
% of Total Area of Farms	64.3	64.9	58.4	59.2	60.3	-	-
Area Rented or Leased From Others	17,830,403	16,555,090	21,254,773	20,957,444	20,619,467	39.7	-1.6
% of Total Area of Farms	35.7	35.1	41.6	40.8	39.7	-	-
Use of Selected Land Management Practices (acres) (6)							
Commercial Fertilizer	-	13,603,578	16,938,768	15,690,907	17,375,043	-	10.7
Herbicides	-	11,761,734	15,005,557	14,012,340	14,949,086	-	6.7
Insecticides or Fungicides	-	519,300	1,981,004	1,367,186	740,225	-	-45.9

* Note: In 1996, a census farm was defined as

.....an agricultural operation producing at least one of the following products intended for sale: crops (field crops, tree fruits or nuts, berries or grapes, vegetables, seed); livestock (cattle, hogs, sheep, horses, exotic animals); poultry (hens, chickens, turkeys, exotic birds); animal products (milk, cream, eggs, wool, furs, meats); or other agricultural products (greenhouse or nursery products, Christmas trees, mushrooms, sod, honey and maple syrup). Farm operations producing only Christmas trees were included for the first time in the 1996 Census. Farms which produced Christmas trees along with other agricultural products were included in censuses prior to 1996 even though there were no specific questions on Christmas tree production or area. The number of farms in 1996 totalled 59,007 (includes Christmas tree farms). Farms excluding Christmas tree farms totalled 58,990 farms (a difference of 17 farms).

Source: Statistics Canada, Census of Agriculture

Table 112 Census of Agriculture Profile for Alberta, 1976-1996 - Cont'd

	1976	1981	1986	1991	1996*	% of Total 1996/91	% Chg. 1996/91
Operating Arrangements of Farms (no.) (7)							
Individual or Family Farm	55,737	50,169	47,862	35,875	35,938	60.9	0.2
Total Partnership	2,120	5,169	6,448	16,742	16,672	28.3	-0.4
Partnership With a Written Agreement	2,120	1,446	1,654	2,455	2,664	4.5	8.5
Partnership With No Written Agreement	-	3,723	4,794	14,287	14,008	23.7	-2.0
Total Corporation	2,969	2,459	3,063	4,307	6,209	10.5	44.2
Family Corporation	2,595	2,269	2,864	3,663	5,248	8.9	43.3
Non-Family Corporation	374	190	199	644	961	1.6	49.2
Other Types	304	259	404	321	188	0.3	-41.4
Total No. of Farms	61,130	58,056	57,777	57,245	59,007	100.0	3.1
Use of a Personal Computer for Farm Management							
No. of Farms Reporting Computer Use	-	-	1,739	7,011	13,491	-	92.4
% of Total Farms in Alberta	-	-	3.0	12.2	22.9	-	-
Value of Farm Capital (in Current Dollars)							
Total Capital (\$'000)	13,861,646	36,827,140	28,623,414	30,806,123	40,150,414	100.0	30.3
Land and Buildings (8)	10,627,528	29,961,159	20,773,519	21,291,475	28,733,732	71.6	35.0
Farm Machinery and Equipment (9)	2,110,053	4,362,215	5,382,302	6,079,438	7,466,999	18.6	22.8
Livestock and Poultry	1,124,064	2,503,766	2,467,592	3,435,210	3,949,683	9.8	15.0
Average Per Reporting Farm (\$)	226,757	634,338	495,412	538,145	680,435	-	26.4
Gross Farm Receipts (in Current Dollars) (10)							
Total Receipts (\$'000)	-	3,264,822	4,473,871	5,541,937	7,911,131	-	42.8
Average Per Reporting Farm (\$)	-	56,236	77,433	96,811	134,071	-	38.5
Farms by Class of Gross Farm Receipts (no.)							
Under \$25,000	42,438	29,807	26,022	23,026	23,361	39.6	1.5
Under \$2,500	9,135	6,892	6,034	3,802	4,381	7.4	15.2
\$2,500 - \$4,999	7,522	4,525	4,047	3,159	3,218	5.5	1.9
\$5,000 - \$9,999	9,909	6,387	5,697	4,810	5,296	9.0	10.1
\$10,000 - \$24,999	15,872	12,003	10,244	11,255	10,466	17.7	-7.0
\$25,000 to \$49,999	10,247	11,049	9,842	9,950	9,057	15.3	-9.0
\$50,000 - \$99,999	5,745	9,873	10,549	10,681	9,689	16.4	-9.3
Over \$100,000	2,700	7,227	11,364	13,588	16,900	28.8	24.4
\$100,000 - \$249,999	2,700	5,630	8,550	9,744	11,126	18.9	14.2
\$250,000 - \$499,999	-	1,142	1,889	2,556	3,811	6.5	49.1
\$500,000 and Over	-	555	925	1,288	1,963	3.3	52.4
Total No. of Farms Classified	61,130	58,056	57,777	57,245	59,007	100.0	3.1
Farm Operating Expenses (in Current Dollars) (11)							
Total Expenses (\$'000)	-	-	3,942,193	4,653,484	6,669,475	-	43.3
Average Per Reporting Farm (\$)	-	-	68,248	81,291	113,029	-	39.0
Selected Average Farm Operating Expenses Per Reporting Farm (\$)							
Rent or Leasing Expenses	-	6,716	7,309	7,587	9,837	-	29.7
Wages and Salaries	-	6,897	10,207	13,513	17,037	-	26.1
Fuel, Oil and Lubricants for Machinery	-	3,725	5,827	5,339	5,797	-	8.6
Fertilizer and Lime	-	6,318	8,949	8,410	13,825	-	64.4
Herbicides, Insecticides and Fungicides	-	2,149	4,294	5,180	7,801	-	50.6
Feed and Supplements	-	9,598	15,217	14,656	22,830	-	55.8
Custom Work, Contract Work and Machine Rental or Leasing	-	2,669	3,350	4,703	7,564	-	60.8
Net Farm Income (12) (in Current Dollars)							
Total Net Farm Income (\$'000)	-	-	668,340	1,038,411	1,455,472	-	37.5
Average Per Reporting Farm (\$)	-	-	11,568	18,489	24,666	-	33.4
Paid Agricultural Labour (13)							
No. of Farms Reporting	16,376	17,950	24,978	22,483	23,890	-	6.3
Weeks of Paid Labour	556,216	559,110	867,535	784,665	1,008,064	-	28.5
Average Weeks Paid Per Reporting Farm	34	31	35	35	42	-	20.0
Purchases of Capital Assets and Capital Improvements (14)							
Value of Total Purchases (\$'000)	-	-	-	-	1,530,164	-	-
Average Per Reporting Farm (\$)	-	-	-	-	51,677	-	-

Source: Statistics Canada, Census of Agriculture

Table 112 Census of Agriculture Profile for Alberta, 1976-1996 - Cont'd

	1976	1981	1986	1991	1996	% of Total 1996/91	% Chg. 1996/91
Total Land in Crops (acres)	18,877,471	20,858,765	22,641,092	22,961,142	23,590,633	100.0	2.7
% Change From Previous Census Year	4.3	10.5	8.5	1.4	2.7	-	-
Selected Field Crops Grown (seeded acres)							
Grains	13,421,175	14,902,643	15,022,870	14,935,670	14,819,054	62.8	-0.8
Total Wheat	5,545,301	6,705,436	7,601,700	7,714,992	7,324,846	31.1	-5.1
Spring Wheat (excluding durum)	4,910,604	5,961,384	6,516,630	6,885,763	6,448,110	27.3	-6.4
Durum Wheat	369,337	506,002	638,807	745,179	781,627	3.3	4.9
Winter Wheat	265,360	238,050	446,263	84,050	95,109	0.4	13.2
Oats for Grain (15)	1,794,140	1,311,081	1,183,426	1,285,430	1,386,179	5.9	7.8
Barley (16)	5,630,002	6,432,958	5,892,677	5,404,324	5,775,824	24.5	6.9
Mixed Grains	267,655	145,436	122,398	360,757	226,374	1.0	-37.3
Corn for Grain	2,787	11,402	7,235	8,670	2,559	0.0	-70.5
Rye Total	180,539	292,999	213,601	161,253	102,865	0.4	-36.2
Fall Rye	156,860	241,416	168,709	126,007	80,701	0.3	-36.0
Spring Rye	23,679	51,583	44,892	35,246	22,164	0.1	-37.1
Buckwheat	751	3,331	1,833	244	407	0.0	66.8
Oilseeds	817,242	1,558,241	2,891,727	3,056,282	3,188,142	13.5	4.3
Canola	740,091	1,455,205	2,802,720	2,982,130	3,151,296	13.4	5.7
Flaxseed	73,281	102,345	84,572	70,506	34,082	0.1	-51.7
Soybeans	313	272	x	797	1,059	0.0	32.9
Sunflowers	3,557	419	4,435	2,849	1,705	0.0	-40.2
Hay and Fodder Crops (17)	4,508,861	4,229,075	4,330,864	4,357,124	4,765,965	20.2	9.4
Corn for Silage	26,122	24,937	21,769	20,768	12,800	0.1	-38.4
Total Tame Hay	3,849,647	3,480,670	3,734,112	4,256,445	4,753,165	20.1	11.7
Oats for Fodder	502,483	495,234	574,983	-	-	-	-
Other Fodder Crops	130,609	228,234	-	79,911	-	-	-
Other Field Crops	95,128	111,981	149,070	319,694	474,081	2.0	48.3
Potatoes	16,218	16,628	22,450	28,339	31,488	0.1	11.1
Mustard Seed	21,717	43,547	69,268	59,872	91,909	0.4	53.5
Sugar Beets	41,883	35,535	29,668	35,075	36,231	0.2	3.3
Dry Field Peas	7,480	7,409	14,630	167,056	286,037	1.2	71.2
Total Dry Field Beans	7,830	8,862	13,054	29,352	28,416	0.1	-3.2
Area of Vegetables Grown for Sale (excluding greenhouse vegetables)							
No of Farms Reporting	415	431	478	483	594	-	23.0
Area in Acres	10,709	9,963	8,895	11,536	13,743	-	19.1
Area of Greenhouse Products Grown for Sale (Area in Use)							
No of Farms Reporting	-	379	405	424	600	-	41.5
Area in Square Feet	-	4,183,125	5,588,462	5,744,516	7,959,527	-	38.6
Number of Livestock and Poultry on May 14, 1996							
Total Cattle and Calves (18)	4,614,372	4,192,887	3,827,143	4,756,365	5,942,257	100.0	24.9
Total Cows (19)	1,747,667	1,533,311	1,445,760	1,741,632	2,119,719	35.7	21.7
Dairy Cows	157,352	165,528	124,204	105,905	102,830	1.7	-2.9
Beef Cows	1,590,315	1,367,783	1,321,556	1,635,727	2,016,889	33.9	23.3
Total Heifers	632,865	631,732	571,158	733,665	952,563	16.0	29.8
Bulls - One Year and Over	88,241	89,514	78,996	95,525	118,600	2.0	24.2
Steers - One Year and Over	769,728	631,092	478,147	626,350	892,696	15.0	42.5
Calves - Under One Year	1,375,871	1,307,238	1,253,082	1,559,193	1,858,679	31.3	19.2
Other Livestock and Poultry	878,213	1,199,397	1,454,824	1,729,870	1,729,810	-	-0.0
Pigs	189,258	201,294	179,123	305,642	259,817	-	-15.0
Sheep and Lambs	-	118,708	135,025	109,237	149,960	-	37.3
Horses and Ponies	-	-	-	-	22,782	-	-
Bison (Buffalo)	-	-	-	-	10,687	-	-
Deer and Elk	-	-	-	-	3,692	-	-
Llamas and Alpacas	-	-	-	-	-	-	-
Total Hens and Chickens	7,980,682	9,190,525	8,852,415	8,702,434	9,485,635	-	9.0
Total Turkeys	822,410	903,252	763,485	812,849	842,798	-	3.7

Source: Statistics Canada, Census of Agriculture

Table 113 Alberta Farm Data by Census Division and Subdivision, 1996

	Rural Population	No. of Farms	Total Area of Farms (acres)	Average Farm Size (acres)	Area of Land in Crops (acres)	Number of Beef Cows	(12) Average Net Farm Income
ALBERTA	554,011	59,007	51,964,360	381	23,590,033	2,016,889	\$24,666
Census Division 1.....	9,664	1,817	4,115,897	2,265	1,030,506	81,054	\$52,924
Cypress M.D. 1.....	5,262	1,046	2,335,582	2,233	390,403	56,702	\$40,838
Forty Mile County 8.....	3,230	771	1,780,315	2,309	640,103	24,352	\$69,321
Census Division 2.....	31,652	3,795	4,151,773	1,094	1,874,895	125,565	\$62,388
Warner County 5.....	3,561	617	976,563	1,583	525,515	23,450	\$56,290
Lethbridge County 26.....	9,290	1,221	795,111	651	558,317	18,255	\$80,699
Taber M.D. 14.....	5,644	960	995,398	1,037	482,402	30,118	\$64,043
Newell County 4.....	6,421	997	1,384,700	1,389	308,661	53,742	\$42,145
Census Division 3.....	21,087	2,345	2,981,478	1,271	1,181,819	146,654	\$36,094
Cardston M.D. 6.....	4,565	796	1,090,328	1,370	498,326	52,198	\$41,420
I.D. 4 (20).....	279	-	-	-	-	-	-
Pincher Creek M.D. 9.....	3,172	610	775,960	1,272	204,424	37,244	\$20,277
Willow Creek M.D. 26.....	5,113	939	1,115,190	1,188	478,269	56,912	\$41,854
Census Division 4.....	9,045	1,572	4,968,599	3,161	1,119,148	130,576	\$45,312
Hanna Special Area 2.....	2,531	602	2,232,517	3,709	364,322	60,336	\$36,968
Oyen Special Area 3.....	1,584	600	1,455,959	3,021	372,277	29,910	\$39,789
Consort Special Area 4.....	1,641	370	1,016,293	2,747	285,914	37,451	\$54,066
Acadia M.D. 34.....	533	118	263,830	2,236	96,635	2,879	\$82,996
Census Division 5.....	27,773	3,165	3,913,851	1,237	2,274,887	100,494	\$48,394
Vulcan County 2.....	3,829	801	1,279,409	1,597	649,868	25,838	\$58,095
Wheatland County 16.....	6,714	974	1,143,243	1,174	700,384	35,258	\$50,722
Badlands M.D. 7 (21).....	1,246	19	-	-	-	-	-
Starland M.D. 47 (21).....	2,075	439	605,781	1,380	321,287	13,562	\$38,895
Kneehill M.D. 48.....	4,887	951	885,418	931	603,348	25,836	\$42,223
Census Division 6.....	55,007	5,126	2,982,989	582	1,461,621	177,734	\$17,894
Foothills M.D. 31.....	13,703	1,418	908,729	641	408,771	46,699	\$20,843
Rocky View M.D. 44.....	23,326	1,630	1,089,435	668	532,265	59,863	\$17,840
Calgary.....	768,082 (urban)	126	45,834	364	25,490	2,042	\$9,471
Mountain View County 17..	11,277	1,952	938,991	481	495,095	69,130	\$16,341
Census Division 7.....	26,752	3,664	4,589,105	1,252	2,316,607	176,398	\$35,081
Provost M.D. 52.....	2,705	564	915,581	1,623	369,077	37,114	\$47,084
Paintearth County 18.....	2,316	545	767,960	1,409	356,833	31,444	\$30,701
Stettler County 6.....	5,278	922	970,474	1,053	444,586	48,182	\$28,211
Flagstaff County 29.....	4,015	992	1,040,951	1,049	696,991	29,435	\$36,682
Wainwright M.D. 61.....	4,044	641	894,139	1,395	449,120	30,223	\$35,651
Census Division 8.....	42,324	4,960	2,334,047	471	1,302,000	175,480	\$22,512
Red Deer County 23.....	17,126	2,030	989,191	487	593,154	69,405	\$21,846
Lacombe County.....	10,081	1,481	680,336	459	406,237	45,188	\$26,305
Ponoka County 3.....	8,313	1,449	664,520	459	302,609	60,887	\$19,567
Census Division 9.....	12,391	1,377	724,576	526	200,595	59,492	\$5,639
Clearwater M.D. 99.....	10,915	1,377	724,576	526	200,595	59,492	\$5,639
Census Division 10.....	40,474	6,565	4,846,742	738	2,925,104	186,462	\$21,722
Camrose County 22.....	7,613	1,432	836,618	584	578,276	35,783	\$21,222
Beaver County 9.....	5,659	1,026	759,576	740	441,874	29,696	\$20,220
Minburn County 27.....	3,405	836	706,827	845	445,773	24,525	\$25,576
Vermilion River County 24..	7,553	1,405	1,405,539	1,000	741,350	56,786	\$28,955
Two Hills County 21.....	2,707	761	578,470	760	340,223	20,766	\$23,293
Lamont County 30.....	4,212	1,105	559,712	507	377,608	18,906	\$10,571
I.D. 13 (20).....	10	-	-	-	-	-	-

I.D. - Improvement District M.D. - Municipal District

Source: Statistics Canada, Census of Agriculture

Table 113 Alberta Farm Data by Census Division and Subdivision, 1996 - Cont'd

	Rural Population	No. of Farms	Total Area of Farms (acres)	Average Farm Size (acres)	Area of Land in Crops (acres)	Number of Beef Cows	(12) Average Net Farm Income
Census Division 11.....	107,460	7,359	2,849,357	390	1,551,989	174,147	\$13,945
Wetaskiwin County 10.....	10,467	1,416	686,088	485	317,835	52,718	\$13,793
Leduc County 25.....	12,361	1,703	592,501	348	373,822	35,123	\$14,413
Brazeau M.D. 77.....	6,589	701	293,906	419	97,420	20,531	\$1,638
Parkland County.....	23,492	1,196	482,786	404	219,423	31,985	\$10,656
Strathcona County.....	24,726	938	238,395	254	139,693	13,313	\$15,729
Sturgeon M.D. 90.....	14,983	1,172	503,177	429	359,379	17,786	\$20,169
Edmonton.....	616,306 (urban)	233	72,504	311	44,417	2,691	\$26,868
Census Division 12.....	29,729	2,939	2,394,778	815	889,992	100,445	\$9,234
Bonnyville M.D. 87 (22).....	13,909	1,349	1,125,911	835	374,047	47,626	\$7,387
St. Paul County 19.....	6,335	961	771,269	803	305,983	33,664	\$11,385
Smoky Lake County 13.....	4,302	629	497,598	791	209,961	19,155	\$9,911
Census Division 13.....	41,748	5,466	3,114,934	570	1,520,063	187,883	\$11,569
Lac Ste. Anne County.....	8,737	1,255	619,220	493	259,484	48,900	\$5,343
Barrhead County 11.....	5,870	1,023	513,235	502	262,720	37,308	\$17,877
Wetlock M.D. 92.....	6,958	1,115	674,384	605	413,136	36,945	\$21,514
Woodlands M.D. 15.....	3,699	360	224,050	622	61,912	12,566	\$2,039
Thorhild County 7.....	2,901	658	383,206	582	210,496	19,239	\$9,060
Athabasca County 12.....	7,415	1,055	700,839	664	312,315	32,925	\$7,165
Census Division 14.....	10,092	927	512,823	553	155,865	27,278	\$6,395
I.D. 25 (20).....	-	-	-	-	-	-	-
Yellowhead M.D. 94.....	9,352	927	512,823	553	155,865	27,278	\$6,395
Census Division 15.....	9,386	155	427,505	2,758	10,945	7,450	\$7,038
Crowsnest Pass (23).....	3,192	23	-	-	-	-	-
I.D. 5 (20).....	665	4	-	-	-	-	-
Bighorn M.D. 8.....	1,269	89	117,665	1,322	3,883	x	(\$1,079)
I.D. 9 (20).....	1,305	2	-	-	-	-	-
I.D. 12 (20).....	77	2	-	-	-	-	-
Jasper I.D. (20).....	486	-	-	-	-	-	-
Ranchland M.D. 66 (23).....	108	66	309,840	4,695	7,062	x	\$18,101
Census Division 16 (22)...	3,416	21	-	-	-	-	-
Wood Buffalo S.M.....	2,135	-	-	-	-	-	-
I.D. 24.....	370	-	-	-	-	-	-
Census Division 17 (24)...	38,835	3,088	2,751,855	891	1,354,178	59,013	\$10,902
M.D. of Big Lakes.....	5,830	532	435,704	819	160,129	18,474	\$6,948
Opportunity M.D. 17.....	3,060	11	7,758	705	2,546	168	\$3,208
Clear Hills M.D. 21.....	2,886	591	618,925	1,047	300,707	13,178	\$11,895
East Peace M.D. 131.....	2,264	280	331,912	1,185	184,865	28,920	\$27,822
Lesser Slave River M.D. 124..	2,716	205	126,366	616	37,624	6,955	\$532
Northern Lights M.D. 22.....	4,462	735	678,828	924	363,454	9,840	\$13,443
Mackenzie M.D. 23.....	7,980	699	538,963	771	298,529	7,075	\$7,257
Census Division 18.....	6,415	798	692,648	868	265,799	26,158	\$8,494
Greenview M.D. 16.....	5,433	798	692,648	868	265,799	26,158	\$8,494
Census Division 19.....	30,761	3,889	3,591,403	923	2,154,821	74,906	\$23,336
Grande Prairie County 1.....	13,750	1,560	1,187,367	761	625,048	33,325	\$15,176
Smoky River M.D. 130.....	2,491	527	563,650	1,070	436,633	2,450	\$42,631
Birch Hills M.D. 19.....	1,356	362	477,426	1,319	288,711	8,192	\$35,733
Spirit River M.D. 133.....	809	185	178,607	965	130,546	2,426	\$19,107
Saddle Hills M.D. 20.....	2,724	660	638,597	968	331,511	15,472	\$17,862
Fairview M.D. 136.....	1,829	344	314,544	914	209,314	6,914	\$32,183
Peace M.D. 135.....	1,562	251	231,212	921	133,058	5,127	\$21,041

I.D. - Improvement District

M.D. - Municipal District

S.M. - Specialized Municipality

Source: Statistics Canada, Census of Agriculture

**Table 114 Alberta Farms Reporting Gross Farm Receipts of \$2,500 or More,
Classified by Type by Census Division and Subdivision, 1996**

	Total Farms Typed	Dairy	Cattle	Hog	Poultry & Egg	Wheat	Grain & Oilseed	* Field Crop	** Fruit	*** Vege- table	Misc. Spec.	Live- stock Combin.	Other Combin.
ALBERTA	54,626	1,418	24,718	1,149	527	5,243	10,343	3,825	95	68	4,794	1,448	998
Census Division 1.....	1,745	13	634	21	7	640	182	79	0	3	108	26	30
Cypress M.D. 1.....	988	9	479	11	2	245	57	51	0	3	102	15	14
Forty Mile County 8.....	757	6	155	10	5	395	125	28	0	0	6	11	16
Census Division 2.....	3,647	97	1,673	102	32	597	426	322	6	22	173	73	120
Warner County 5.....	592	7	250	5	3	180	86	17	1	0	19	15	9
Lethbridge County 26.....	1,163	63	426	69	21	181	145	117	3	6	72	27	33
Taber M.D. 14.....	935	7	413	19	3	175	93	117	0	13	31	18	46
Newell County 4.....	957	20	584	9	5	61	102	71	2	3	53	15	32
Census Division 3.....	2,189	43	1,311	22	25	159	245	68	0	0	212	81	23
Cardston M.D. 6.....	734	11	436	4	6	48	90	18	0	0	88	27	6
I.D. 4 (20).....	-	-	-	-	-	-	-	-	-	-	-	-	-
Pincher Creek M.D. 9.....	559	7	394	2	9	8	29	30	0	0	56	19	5
Willow Creek M.D. 26.....	896	25	481	16	10	103	126	20	0	0	68	35	12
Census Division 4.....	1,535	10	731	9	1	479	170	37	0	0	30	40	28
Hanna Special Area 2.....	585	7	352	1	0	87	68	25	0	0	17	19	9
Oyan Special Area 3.....	470	0	158	7	0	229	40	6	0	0	6	14	10
Consort Special Area 4.....	362	2	213	0	1	61	58	5	0	0	7	7	8
Acadia M.D. 34.....	118	1	8	1	0	102	4	1	0	0	0	0	1
Census Division 5.....	3,050	27	1,215	87	55	755	584	77	3	1	119	76	51
Vulcan County 2.....	774	3	284	10	0	243	171	14	1	0	21	13	14
Wheatland County 16.....	920	11	426	22	5	197	134	38	2	0	54	22	9
Badlands M.D. 7 (21).....	-	-	-	-	-	-	-	-	-	-	-	-	-
Starland M.D. 47 (21).....	429	2	165	11	3	104	97	15	0	0	13	11	8
Kneeshill M.D. 48.....	927	11	340	44	47	211	182	10	0	1	31	30	20
Census Division 6.....	4,638	115	2,452	54	52	156	562	275	8	2	793	104	65
Foothills M.D. 31.....	1,261	24	613	10	14	46	139	71	1	0	291	34	18
Rocky View M.D. 44.....	1,458	21	710	17	17	80	201	69	3	2	281	34	23
Calgary.....	104	3	35	0	2	7	9	9	2	0	33	2	2
Mountain View County 17	1,815	67	1,094	27	19	23	213	126	2	0	188	34	22
Census Division 7.....	3,539	45	1,533	47	11	513	971	111	2	0	142	110	54
Provost M.D. 52.....	547	1	267	0	0	89	126	18	1	0	23	13	9
Paintearth County 18.....	532	5	269	8	2	49	142	15	0	0	19	15	8
Stettler County 6.....	879	14	481	11	5	65	157	47	0	0	50	33	16
Flagstaff County 29.....	969	16	275	22	2	207	371	11	1	0	25	28	11
Wainwright M.D. 61.....	612	9	241	6	2	103	175	20	0	0	25	21	10
Census Division No. 8.....	4,627	246	2,359	200	37	67	599	292	8	6	475	88	50
Red Deer County 23.....	1,888	56	988	71	15	42	308	124	4	2	214	39	25
Lacombe County.....	1,380	86	700	86	12	22	199	86	3	3	136	32	15
Ponoka County 3.....	1,359	104	871	43	10	3	92	82	1	1	125	17	10
Census Division 9.....	1,246	43	882	30	5	1	17	111	1	1	116	21	18
Clearwater M.D. 99.....	1,246	43	882	30	5	1	17	111	1	1	116	21	18
Census Division 10.....	6,199	140	2,356	139	71	731	1,945	212	8	4	271	223	99
Camrose County 22.....	1,345	54	500	45	40	107	416	51	1	0	67	48	16
Beaver County 9.....	968	27	400	26	9	112	260	29	1	3	46	37	18
Minburn County 27.....	807	15	288	3	2	99	322	13	0	0	30	27	8
Vermilion River County 24	1,341	11	566	34	10	167	383	39	4	0	62	47	18
Two Hills County 21.....	722	9	274	9	6	90	244	34	0	0	20	24	12
Lamont County 30.....	1,016	24	328	22	4	156	320	46	2	1	46	40	27
I.D. 13 (20).....	-	-	-	-	-	-	-	-	-	-	-	-	-

I.D. - Improvement District M.D. - Municipal District S.A. - Special Area

Note: Farm type classification only includes farms with gross farm receipts of \$2,500 or more. The commodity which accounts for 51 per cent or more of receipts determines the farm type.

* Excludes wheat. ** Excludes grain and oilseed includes potatoes. *** Excludes potatoes and greenhouse vegetables.

Source: Statistics Canada, Census of Agriculture

**Table 114 Alberta Farms Reporting Gross Farm Receipts of \$2,500 or More,
Classified by Type by Census Division and Subdivision, 1996 - Cont'd**

	Total Farms Typed	Dairy	Cattle	Hog	Poultry & Egg	Grain Wheat	* Oilseed	** Field Crop	*** Fruit	*** Vege- table	Misc. Spec.	Live- stock Combin.	Other Combin.
Census Division 11.....	6,519	362	2,849	138	108	208	908	560	25	14	1,068	166	113
Wetaskiwin County 10....	1,288	68	679	27	16	21	140	98	0	0	189	30	20
Leduc County 25.....	1,544	162	650	34	22	66	199	139	3	4	184	50	31
Brazeau M.D. 77.....	608	13	372	4	4	2	20	81	2	0	92	12	6
Parkland County.....	1,044	46	503	16	16	13	106	85	6	3	209	23	18
Strathcona County.....	788	29	304	6	21	26	114	53	5	1	202	17	10
Sturgeon M.D. 90.....	1,048	38	302	50	26	61	285	90	5	3	142	26	20
Edmonton.....	199	6	39	1	3	19	44	14	4	3	50	8	8
Census Division 12.....	2,680	53	1,410	75	24	48	377	284	7	1	232	103	66
Bonnyville M.D. 87 (22)...	1,204	26	670	22	14	11	115	132	4	0	131	49	30
St. Paul County 19.....	891	16	465	42	6	19	135	95	1	1	62	28	21
Smoky Lake County 13...	585	11	275	11	4	18	127	57	2	0	39	26	15
Census Division 13.....	4,921	129	2,649	155	41	102	685	515	10	6	390	138	101
Lac Ste. Anne County.....	1,101	27	709	11	6	10	43	117	1	1	133	25	18
Barrhead County 11.....	952	38	535	84	16	10	73	83	2	0	59	34	18
Westlock M.D. 92.....	1,049	37	503	33	7	35	231	86	4	3	47	36	27
Woodlands M.D. 15.....	291	8	175	8	0	0	9	38	1	0	46	3	3
Thorhild County 7.....	598	4	261	11	8	27	170	53	0	0	33	18	13
Athabasca County 12.....	930	15	466	8	4	20	159	138	2	2	72	22	22
Census Division 14.....	797	19	491	4	8	2	29	95	1	3	120	13	12
I.D. 25 (20).....	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowhead M.D. 94.....	797	19	491	4	8	2	29	95	1	3	120	13	12
Census Division 15.....	134	2	70	0	0	1	3	8	0	0	41	5	4
Crowsnest Pass (23).....	-	-	-	-	-	-	-	-	-	-	-	-	-
I.D. 5 (20).....	-	-	-	-	-	-	-	-	-	-	-	-	-
Bighorn M.D. 8.....	73	2	40	0	0	0	1	3	0	0	24	2	1
I.D. 9 (20).....	-	-	-	-	-	-	-	-	-	-	-	-	-
I.D. 12 (20).....	-	-	-	-	-	-	-	-	-	-	-	-	-
Jasper I.D. (20).....	-	-	-	-	-	-	-	-	-	-	-	-	-
Ranchland M.D. 66 (23)...	61	0	30	0	0	1	2	5	0	0	17	3	3
Census Division 16 (22).	-	-	-	-	-	-	-	-	-	-	-	-	-
Wood Buffalo S.M.....	-	-	-	-	-	-	-	-	-	-	-	-	-
I.D. 24.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Census Division 17 (24).	2,811	30	722	32	19	204	1,158	330	3	1	141	100	71
M.D. of Big Lakes.....	532	12	251	4	3	28	86	80	3	1	40	15	9
Opportunity M.D. 17.....	11	0	4	0	0	1	2	2	0	0	2	0	0
Clear Hills M.D. 21.....	545	7	146	6	1	14	253	52	0	0	28	23	15
East Peace M.D. 131.....	280	6	40	2	3	53	90	55	0	0	20	3	8
Lesser Slave River M.D. 124	205	1	104	4	1	2	19	35	0	2	27	9	1
Northern Lights M.D. 22.	672	3	114	1	8	61	314	89	0	0	40	19	23
Mackenzie M.D. 23.....	653	3	71	16	5	47	396	56	1	0	7	33	18
Census Division 18.....	701	5	302	5	10	46	104	105	1	0	88	20	15
Greenview M.D. 16.....	701	5	302	5	10	46	104	105	1	0	88	20	15
Census Division 19.....	3,648	37	879	29	21	534	1,378	344	12	4	273	59	78
Grande Prairie County 1.	1,435	18	447	16	12	120	441	155	7	3	159	26	31
Smoky River M.D. 130....	513	1	41	0	2	108	263	66	1	0	21	3	7
Birch Hills M.D. 19.....	351	2	60	3	5	57	164	29	0	1	11	9	10
Spirit River M.D. 133.....	181	2	24	0	0	65	65	14	0	0	6	3	2
Saddle Hills M.D. 20.....	609	8	174	4	2	126	177	50	2	0	42	8	16
Fairview M.D. 136.....	322	2	81	3	0	35	158	14	2	0	16	5	6
Peace M.D. 135.....	237	4	52	3	0	23	110	16	0	0	18	5	6

I.D. - Improvement District M.D. - Municipal District S.M. - Specialized Municipality

Note: Farm type classification only includes farms with gross farm receipts of \$2,500 or more. The commodity which accounts for 51 per cent or more of receipts determines the farm type.

* Excludes wheat. ** Excludes grain and oilseed; includes potatoes. *** Excludes potatoes and greenhouse vegetables.

Source: Statistics Canada, Census of Agriculture

Footnotes - Census of Agriculture

- (1) The definition of a census farm has changed between census years. In 1976, a census farm referred to a farm, ranch or agricultural holding of one acre or more with \$50 or more of sales in agricultural products during the twelve-month period prior to the census date. For 1981 and 1986, the minimum sales requirement of agricultural products was increased to \$250 or more. In 1991 and 1996, the minimum sales requirement was eliminated.
- (2) A farm is classified according to the predominant commodity produced. This is done by estimating the potential gross farm receipts from the inventories of crops and livestock reported on the census questionnaire. The commodity or group of commodities which account for 51 per cent or more of the total gross farm receipts determines the farm type. Farm type classification only includes farms with gross farm receipts of \$2,500 or more.
- (3) In 1981, the area of unimproved land was under-reported in the four Western provinces, thereby affecting the "Total Area of Farms".
- (4) In 1996, the name and definition of tame or seeded pasture has changed from the previous census. In 1991, it was called "Improved Land for Pasture or Grazing." Consequently, some respondents may have reported differently in 1996 than in 1991, thereby affecting the comparability of the data for those years.
- (5) Since 1976, the area of "All Other Land" is the sum of the areas reported for all of the remaining land use categories in each census. In 1996, the area of Christmas trees has been included with "All Other Land".

In 1996, some operators reported unplanted land intended for crops as idle land (a component of "All Other Land") since at the time of the Census, they were uncertain as to whether this land would be planted. This situation only affected farms not included in the Progress of Seeding Follow-up.

- (6) The data for land management practices are reported for the year preceding the census year. Operators can apply insecticides and fungicides to the same land. Therefore, the sum of the responses to the two questions in 1996 is not comparable to the response to the single 1991 question which asked for the total area on which insecticides or fungicides were used.

In 1996, the area of land that has been treated with herbicides, insecticides and fungicides is under-reported. Some respondents reported chemical expenses, but did not report any corresponding areas to which these chemicals were applied. Telephone follow-up with a sample of these respondents confirmed that some respondents had mistakenly reported for 1996 instead of 1995, as requested. This explained their response because at the time the questionnaire was completed in 1996 (on May 14th), the chemicals purchased had not yet been applied.

- (7) Since individual or family holdings were being over-reported in previous censuses, the order and wording of the questions on operating arrangements were changed in 1996. While previous censuses asked if the operation was an "individual or family holding", the 1996 Census replaced this question with one asking if the operation was a "sole proprietorship". The changes introduced in 1996 contributed to an increase in the number of operations that were reported as being legally incorporated compared with previous censuses.
- (8) In 1991 and 1996, there were two separate questions on the value of land and buildings - one on rented properties and one on owned properties. Consequently, the total reported value of land and buildings in 1991 and 1996 increased compared with earlier censuses, where some respondents had failed to include rented land.
- (9) In 1991, agricultural operators reported the value of farm machinery and equipment located on their operations on Census Day, regardless of ownership. For the 1996 Census, operators were asked to report the present market value of all farm machinery and equipment that they owned or leased on Census Day. This change in reporting limits the comparability of these data.
- (10) Refers to gross farm receipts of the operation in the preceding calendar year or for the last complete accounting (fiscal) year.
- (11) Refers to gross farm operating expenses of the operation in the preceding calendar year or for the last complete accounting (fiscal) year.

- (12) Net farm income is equivalent to gross farm receipts minus farm operating expenses (less cash wages paid to family members).
- (13) The data for paid labour are reported for the year preceding the census year.
- (14) New variable for 1996 census year. Refers to major renovations to farm buildings, purchase of new or used vehicles, machinery or equipment, major land improvements or purchase of other capital assets such as land or quota in 1995. Excludes expenditures made on the home, repair and maintenance expenditures and Goods and Service Tax (GST). There has been some under-reporting of the amount paid for: new cars and other passenger vehicles used in the farm business; new farm trucks; new farm machinery and equipment; and used farm vehicles, machinery and equipment. This is primarily the result of respondents reporting the net value of a purchase (i.e., the amount paid minus any trade-in value) instead of the total amount paid.
- (15) In 1991 and 1996, the data reported are for total oats, since the questionnaire made no distinction between the oats for grain and the oats for fodder components of total oats.
- (16) In 1981, the data reported pertain to barley for grain only.
- (17) In 1991 and 1996, the questionnaire made no distinction between oats for grain and oats for fodder.
- "Other Fodder Crops" are included in the 1986 and 1996 data for "Total Tame Hay".
- (18) The earlier census date in 1996 (May 14th) affects comparability with previous censuses due to the lower percentage of calvings that would have taken place by May 14th compared with the first week of June, when previous censuses were taken.
- (19) In 1976, the number of beef cows was obtained by subtracting "cows milking or to be milked" from "total cows". The result was an understating of the size of the dairy herd and an overstating of the size of the beef herd, because dairy farmers did not always report "dry dairy cows" under "cows milking or to be milked". Since 1981, when a separate question on the number of beef cows was introduced, the reporting of both dairy and beef cows has improved.
- (20) Due to minimal or no agricultural activity, detailed agricultural data are not available for:
- I.D. 4 (Waterton Park) in Census Division 3
 - I.D. 13 (Elk Island) in Census Division 10
 - I.D. 25 (Willmore Wilderness Park) in Census Division 14
 - I.D.s 5, 9, 12 and Jasper I.D. (Mountain Parks Area) in Census Division 15.
- (21) Amalgamation: Starland M.D. 47 refers to Badlands M.D. 7 plus Starland M.D. 47. Due to confidentiality constraints, detailed agricultural data are not available for Badlands M.D. 7.
- (22) Amalgamation: Bonnyville M.D. 87 refers to Census Division 16 plus Bonnyville M.D. 87. Due to confidentiality constraints, detailed agricultural data are not available for Census Division 16.
- (23) Amalgamation: Ranchland M.D. 66 refers to Crowsnest Pass, I.D.s 5, 9 and 12 and Ranchland M.D. 66. Due to confidentiality constraints, detailed agricultural data are not available for Crowsnest Pass, I.D.s 5, 9 and 12.
- (24) Census Division 17 totals include Indian Reserves.

1996 Census of Agriculture Definitions

Average Net Farm Income

Refers to gross farm receipts minus farm operating expenses (less cash wages paid to family members).

Census Division

A general term applied to geographic areas between census subdivisions (e.g. municipal districts, counties, etc.) and the province. In Alberta, provincial law does not provide for administrative areas. Census divisions have been created in co-operation with Statistics Canada and the province. There are currently 19 census divisions in Alberta.

Farm

Refers to a census farm, ranch or other agricultural holding which produces at least one of the following products intended for sale: crops, livestock, poultry, animal products, greenhouse or nursery products, mushrooms, sod or honey. In 1986, a census farm was defined as a holding with sales of agricultural products of \$250 or more. In 1991 and 1996, there was no minimum sales requirement.

Headquarters Rule

Many agricultural operations in Alberta are composed of numerous parcels of land in a number of locations. These different locations are often situated in several geographic areas (such as townships or counties). In these situations, the "headquarters rule" assigns all data collected for the agricultural operation to the geographic area where the farm headquarters is located.

Farm Capital

Farm capital refers to the value of all farm land, buildings, farm machinery and equipment (including passenger vehicles used in the farm business), livestock and poultry. The values for land and buildings as well as machinery and equipment were reported by respondents on May 14, 1996. In the previous census conducted in 1991, the reporting date was June 4, 1991. Farm capital does not include the value of crops in the field or in storage, or farm inputs on hand, such as fertilizer and seed.

Values for livestock and poultry inventories reported in the census were calculated using data on average farm prices for the various types of livestock and poultry. Farm capital does not include the value of crops in the field or in storage, or farm inputs on hand, such as fertilizer and seed.

Farm Operating Expenses

Refers to gross farm business operating expenses by the holding during the 1995 calendar year or for the last complete accounting (fiscal) year. Expenses exclude costs of any goods purchased only for retail sales.

Expenses are reported as gross (without deducting the GST and/or any rebates received). Combined with information on farm incomes, expenditure data provides a measure of the economic well-being of the farming sector as well as a basis for evaluating and formulating stabilization programs.

Farm Type

A farm is classified according to the predominant commodity produced. This is done by estimating the potential gross farm receipts from the inventories of crops and livestock reported on the questionnaire. The commodity or group of commodities which account for 51 per cent or more of the total potential receipts determines the farm type.

"Miscellaneous Specialty" farm type includes the following farm types: sheep and lamb; goat; horse and pony; fur; other livestock specialty; mushroom; greenhouse products; nursery products and sod; maple; and Christmas tree.

"Livestock Combination" farm type includes cattle and hog farms; cattle, hog and sheep farms; and other livestock combination farms.

"Other Combination" farm type includes other field crop combination farms; fruit and vegetable combination farms; and all other types of farms.

Field Crops (Area Reported)

Refers to the total area of the various crops seeded or to be seeded for the harvest in 1996, even if they were sown or planted in an earlier year. All field crops are reported on land that is owned, sharecropped, rented or leased from others.

Gross Farm Receipts

Farm receipts measure the gross revenue generated by agricultural holdings. They are not a direct measure of profit since operating expenses have not been deducted. Data for receipts are reported for the previous calendar year or for the last complete accounting (fiscal) year.

Gross Receipts include:

- receipts from all agricultural products sold
- Marketing Board payments received
- program and rebate payments received
- GST refunds received
- dividends received from co-operatives
- receipts from maple syrup and Christmas trees sales
- custom work and all other farm receipts
- forest products (firewood, pulpwood, logs, fence posts, pilings and standing timber).

Gross Receipts do not include:

- receipts from the sale of capital items (e.g. land, buildings or machinery)
- receipts from the sale of goods bought only for retail sales.

NOTE: Farm receipts data from the Census of Agriculture are not directly comparable with the similarly named series derived on an annual basis by Statistics Canada (published in Catalogue No. 21-603, "Agriculture Economic Statistics"). Census data includes inter-farm transactions, i.e., the value of agricultural products (livestock and poultry, seed and seedlings and feed) sold from one farm to another within the same province. The annual series excludes inter-farm sales.

Hired Paid Labour

Work done on the farm during the previous calendar year by persons 15 years of age and over either on a year-round basis or seasonal or temporary. Work excludes housework, custom work and non-agricultural work. Agricultural and manpower researchers use data on hired labour to estimate and evaluate labour requirements and for planning training programs.

Interest Expenses

Refers to interest on operating debt and on all other debts (e.g., machinery or mortgage debt) for the previous calendar year or for the last complete accounting (fiscal) year. Interest expenses do not include payment of principal or amount of debt outstanding. Interest expenses as a percent of total expenses is used as a proxy for debt since actual debt levels are not reported in the census.

Land Use in 1996

■ **Total Land in Crops** includes all areas reported for field crops, fruits, vegetables, nursery products and sod.

■ **Summerfallow** includes idle land that has not been worked or sprayed for more than one year.

■ **Tame or Seeded Pasture** (referred to as Improved Land for Pasture or Grazing in 1991) refers to land that has been cultivated and seeded, or drained, irrigated, fertilized or controlled for brush or weeds; does not include areas to be harvested for hay, silage or seed.

■ **Natural Land for Pasture** (referred to as unimproved land for pasture or grazing in 1991) refers to native pasture, native hay, rangeland, grazable bush, etc.

■ **All Other Land** includes land on which farm buildings, barnyards, lanes, home gardens, greenhouses and mushroom houses are located; idle land; woodlots; sugarbush; tree windbreaks; bogs; marshes; sloughs; woodland; wetland; etc. All Other Land includes Christmas tree area.

Livestock Inventory

Includes all animals on the farm, regardless of ownership; and any animals owned but pastured on a community pasture, grazing co-op or public land. Livestock on farms exclude animals owned but kept on a farm, ranch or feedlot operated by someone else.

Livestock data from the census are used as the basis for annual estimates and for estimating inventories, production and future supplies of animals and animal products for domestic consumption and export. Farmers use census estimates to make production and marketing decisions while government departments, private companies and farm media use census information in market analysis and formulation of agricultural outlooks.

Purchases of Capital Assets and Improvements

Refers to purchases (without deductions of any grants or subsidies) and improvements made in 1995 or for the last complete accounting (fiscal) year. Includes any major renovations to farm buildings, purchases of new or used vehicles, machinery and equipment, any major land improvements or purchases of other capital assets such as land or quota. Includes all purchases which were jointly made with a different agricultural operation. Does not include expenditures made on the home, any repairs and maintenance expenditures and the GST.

Quota

A quota is an entitlement, or right, to sell or deliver a certain amount of an agricultural product (for example, milk, eggs or poultry) produced under supply management.

Rural Population

All persons living outside urban areas (excluding persons living on incompletely enumerated Indian Reserves). Urban areas are those which attained a population concentration of at least 1,000 and a population density of at least 400 per square kilometre, at the previous census.

NOTE ON ROUNDING

Totals in the Census of Agriculture statistical tables may not equal the sum of their parts due to the use of conversion factors or the rounding of fractions to whole numbers.

Publications and Reports

Statistics Unit

Production Economics and Statistics Branch
Alberta Agriculture, Food and Rural Development

- **General**
 - Alberta Agriculture Statistics Yearbook..... Annual (\$25.00*)
 - Agriculture Statistics Fact Sheet..... Annual
 - Status of Agriculture in Alberta..... Occasional
 - Alberta Agri-Food Stat Facts..... Occasional
- **Census of Agriculture**
 - 1996 Census of Agriculture for Alberta, I.D., M.D. and County
 - Data by Region..... Occasional (\$25.00*)
 - A Historical Series of Agriculture Statistics for Alberta**..... Occasional (\$20.00*)
 - 1996 Alberta Agriculture Census Division Profiles***..... Occasional

1991 Edition * Available Summer, 1998
- **Agri-Food Trade**
 - Alberta's Agri-Food Exports..... Annual
 - Alberta's Agri-Food Imports..... Annual
 - Agriculture Trade Information Quarterly..... Quarterly
- **Crops**
 - Crop Report (available from April to October)..... Bi-Weekly
 - Stocks of Canadian Grains..... Annual
 - Intended Acreage of Principal Field Crops and Summerfallow..... Annual
 - Estimated Seeded Crops and Summerfallow Areas in Alberta..... Annual
 - Alberta Crop Production Data by Census Division..... Annual
 - November Estimates of Production of Principal Crops..... Annual
- **Livestock and Honey**
 - Slaughter Summary..... Monthly
 - Hog Numbers (Alberta, Canada and Other Provinces)..... Quarterly
 - Estimated Number of Cattle, Hogs and Sheep on Farms in Alberta
 - by Census Division and Agricultural Reporting Areas (Sheep)..... Semi-Annual
 - Intercensal Livestock Revisions..... Occasional
 - Production and Value of Honey in Alberta and Canada..... Annual
- **Agricultural Prices and Indexes**
 - Alberta Average Farm Input Prices (A.I.M.S.)..... Monthly
 - Average Retail Food Prices for Edmonton..... Monthly
 - Nutritious Food Basket Price Report (Edmonton)..... Monthly
 - Custom Rates (Alberta)..... Annual
 - Crop and Pastureland Lease and Rental
 - Field Operations
 - Hay and Silage Making Operations
 - Grain Harvesting Operations
 - Livestock Operations
- **Agricultural Surveys**
 - Specialty Crops..... Annual
 - Potato..... Annual
 - Beekeepers..... Annual

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